FINAL
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

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650 PACIFIC COAST HIGHWAY PROJECT
650 & 700 NORTH PACIFIC COAST HIGHWAY AND
737 CARL JACOBSON WAY

LEAD AGENCY:

CITY OF EL SEGUNDO

Development Services Department

350 Main Street

El Segundo, CA 90245

Contacts: Eduardo Schonborn, AICP

(310) 524-2312

April 2021

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INITIAL STUDY

1. Project Title:

650 PCH Project

2. Lead Agency Name/Address:

City of El Segundo
350 Main Street
El Segundo, CA 90245

3. Contact Person and Phone Number:

Eduardo Schonborn, AICP, Principal Planner
(310) 524-2312

4. Project Location:

The Project Site is located in the north-central portion of the City of El Segundo on the east side of Pacific Coast Highway between East Maple Avenue to the north and East Mariposa Avenue to the south, in the County of Los Angeles. Specifically, the Project Site is located at 650 and 700 North Pacific Coast Highway and 737 Carl Jacobson Way, approximately 0.45 mile south of Los Angeles International Airport (LAX) and approximately 2 miles east of the Pacific Ocean. Regional access to the Project site is provided via State Route 1 (Pacific Coast Highway), the San Diego Freeway (Interstate 405), located approximately 1.4 miles east of the Project site, and Interstate 105, located approximately 0.35 mile to the north. The site is approximately 0.4 mile northwest of the LA Metro Green Line Mariposa station.

Los Angeles County Assessor's Parcel Numbers (APN): The Project site is composed of seven contiguous parcels: 4138-006-030; 4138-006-031 (there are two parcels associated with this APN); 4138-006-005; 4138-006-010; 4138-006-014; and 4138-006-032.

Lot Size: 316,142 square feet or approximately 7.3 acres.

Figures: **Figure 1** shows the location of the Project site in the region, and **Figure 2** and **Figure 3** show the Project site and local vicinity in its local context.

Site Description: The Project site is an irregularly shaped, approximately 7.3-acre collection of seven parcels located between North Pacific Coast Highway and Carl Jacobson Way. The Project site is currently improved with three office buildings (referred to as Buildings A, B, and D) and surface parking lots. Five of the parcels are occupied by the existing office buildings, with the remaining two parcels consisting of a landlocked interior parcel improved with a surface parking lot and a narrow parcel comprising a former railroad spur, which runs north and south from East Maple Avenue to East Mariposa Avenue.

Building A (APN 4138-006-031) is located at 650 North Pacific Coast Highway and is improved with an eight-story, rectangular office building with a partial floor penthouse on the ninth level and rooftop mechanical equipment. The structure has a net floor area of 98,885 square feet and a height of 131 feet, and is clad in light-colored concrete panels,

narrow, horizontal strips of windows, and black granite on the first floor of the street-facing façade of the structure.

Building B (APNs 4138-005-006 and -030) is located at 700 North Pacific Coast Highway and has a square-shaped two-story office building. The structure has a net floor area of 69,692 square feet and height of 36.5 feet, and is clad in red brick and accented with a natural stone veneer. A driveway and mechanical equipment are located on the north side of Building B. Surface parking lots are located behind both Building A and Building B and are accessible from Pacific Coast Highway via driveways on the north side of Building B and on the south side of Building A~~, as well as from the south via East Mariposa Avenue~~. Buildings A and B are both currently occupied by Boeing.

Building D (APN 4138-006-014) is located at 737 Carl Jacobson Way, east of Buildings A and B. Building D is a one-story office building clad in red brick and accented with natural stone veneer. The structure has a net floor area of 16,652 square feet and rises to a height of 17 feet. **Figure 4** provides photo exhibits of existing conditions on the Project site. While Building D is part of the Project site, there are no changes proposed for this parcel, as shown in **Figure 3.**

5. Project Applicant's Name and Address:

L&R ZAV 650 Sepulveda, LLC
8445 Santa Monica Boulevard, Suite 5
West Hollywood, CA 90069

6. General Plan Designation:

Corporate Office

7. Zoning:

Corporate Office (CO)

8. Proposed Project Description:

The Project would involve the renovation and minor alteration of two existing office buildings on the Project site: Building A at 650 North Pacific Coast Highway, with a net addition of 1,031 square feet to the existing 98,885 square feet, for a total of 99,916 square feet; and Building B at 700 North Pacific Coast Highway, with a net reduction of 4,572 square feet from the existing 69,692 square feet, for a total of 65,120 square feet. The Project would also include the demolition of the existing surface parking lot behind Building A and the construction of a new, 122,156-square-foot, 7-level office building with 70,921 square feet of office space and an integrated 7-level, 1,185-space parking structure (referred to herein as Building C). Refer to **Figure 5** showing the proposed Project site layout depicting the locations of Buildings A, B, and C. In addition, the Project would consolidate the seven parcels of land that make up the Project site into a single approximately 7.3-acre parcel.

The renovation and alteration of Building A would expand the top penthouse level by 3,963 square feet and would provide roof deck amenities; however, the Project would not alter the existing height of the building (refer to **Figure 6a**, Building Elevations). The Project would also improve the façade of Building A by enlarging existing windows and refinishing the exterior of the building to be consistent with the exterior of the proposed Building C. This

would result in removal of the existing concrete panels and replacing them with a curtain wall along Pacific Coast Highway. The renovation would also provide a pedestrian entrance from Pacific Coast Highway and a double-height lobby at the building's center on ground level 1 and level 2. Building A's east-facing façade will also be renovated, and new openings will be installed on the north facade. Interior renovations of Building A would include minor reductions and additions in square footage (the first and second floors would be reduced by 2,746 and 1,138 square feet, respectively). In addition to the proposed double-height lobby, reductions in square footage involve plumbing fixtures, non-bearing interior walls, first-level curbs, and an exterior canopy, roof, and associated structures. The building remodeling would also include increases of 140 square feet in square footage on each floor for the third through seventh floors. In total, the net new square footage of the additions and reductions as compared with existing conditions would be an addition of 1,031 square feet. A conceptual rendering of Building A is provided in **Figure 7a.**

The remodeling of Building B would not alter the height of the building. Rather, remodeling of Building B would involve small reductions in square footage on both the first and second floors. The first floor would be reduced by 1,657 square feet and the second floor would be reduced by 2,915 square feet for a total net reduction of 4,572 square feet (refer to **Figure 6a**, Building Elevations). The proposed demolitions include eliminating portions of a floor slab to make way for a new elevator shaft, removal of non-weight-bearing interior walls, doors, and certain stairs, and removal of a portion of the roof structure. Renovations would also include installation of new skylights, and new glazing along the Pacific Coast Highway building frontage. The exterior of the building would be remodeled to be consistent with Buildings A and C. This would include staining the brick exterior a dark color and replacing the stone veneer accents with light-colored smooth plaster, and the addition and replacement of punched openings on all facades to increase fenestration and bring natural light into the building. The building would also be improved with metal and glazing accents. A conceptual rendering of Building B is in **Figure 7a.**

The proposed Building C would be a seven-story office building with 70,921 square feet of office space and an integrated 1,185-space parking structure on the eastern side of the building. Building C would provide terraced spaces as private patio and balconies for the office uses and would be located directly behind (east) Building A. The Project would also construct a new plaza area between Buildings A and C. Building C and the plaza area would replace a large surface parking lot that provides parking to Buildings A and B. The new office building would be 112 feet, 8 inches in height to the top of the elevator enclosure (refer to **Figure 6b**, Building C Cross-Section), complying with the CO Zone development standards. Conceptual renderings of Building C are in **Figure 7a** and **Figure 7b.** As shown in conceptual renderings (**Figure 7a** and **Figure 7b**), the architecture of the new concrete Building C would have a contemporary design with extensive use of glass on the façade and exposed concrete floor slab edges. The integrated parking structure would have architectural grilles/perforated panels screening the parking levels along the west end of Building C facing Building A (refer to **Figure 6c**, Building Cross-Section: Building A and C), and the concrete would be similarly colored as the office portion. Planters would be located at select areas of the parking structure facades to add interest to the building's concrete exterior.

Outdoor Gathering Space and Landscaping

The Project would involve improvements across the Project property, including a landscaped plaza area bounded by Buildings A, B and C; renovated and enhanced

landscaping in existing planting areas along the Pacific Coast Highway street frontage; new landscaped areas along interior (sides and rear) property lines, including a portion of the railroad spur; resurfaced parking and loading areas in the existing surface parking areas; and realignment of portions of the existing fire lane. **Figure 8** shows the landscape areas, streetscape improvements, the terraced, outdoor space proposed as part of Building C, and landscaping in the Project site interior (including along internal drive aisles and at the rear of the proposed parking structure).

The Project would include a number of outdoor gathering areas as part of the proposed improvements. The Project site boundaries would be planted with a variety of drought-tolerant native and climate-adapted decorative landscaping. The Project would plant Brisbane box trees along the publicly visible areas of the Project improvement areas, namely along the Pacific Coast Highway Project site frontage, the eastern side of Building B, and along the eastern face of the proposed parking structure. Marina madrone trees would be planted along the north and south frontages of proposed Building C. The proposed courtyard between Buildings A, B, and C would include several large (60-inch box) Coast live oak trees, as well as California sycamore trees. The courtyard would also be surrounded by Brisbane box and marina madrone trees along building courtyard frontages. The courtyard itself would be planted with other decorative landscaping and groundcover such as coast buckwheat, blue sage, manzanita, coffeeberry, decorative groundcovers, and limited areas of turf grass. The courtyard would also include areas with enhanced paving (e.g., concrete tiles or pavers) and wood decks with raised wooden terraces for seating. The ground floor of Building C and the plaza area would be located approximately 14 feet below the sidewalk level on Pacific Coast Highway.

Parking, Circulation, and Infrastructure

As stated above, the Project would include a seven-level parking structure, which would be integrated with the proposed Building C and located on the eastern side of the Project site. The proposed parking structure would provide a total of 1,185 parking spaces to serve the office uses at the Project site and potentially other nearby parcels that do not have adequate parking. This includes 732 standard-sized parking spaces (502 standard spaces and 230 tandem spaces), 336 compact parking spaces (106 standard spaces and 230 tandem spaces), 22 accessible parking spaces (including standard and van-accessible spaces), 72 electric vehicle spaces, and 23 clean air vehicle spaces. In total, the Project site would have 1,256 spaces when including the 64 existing and proposed surface parking spaces on the north and east side of Building B, and the seven existing parking spaces o the north side of Building D. The Project would also include 128 short-term and long-term bicycle parking spaces. Loading space would be provided via three loading docks, located on the south side of Building C.

There are two existing curb cuts on Pacific Coast Highway that would remain as part of the Project. These driveways currently provide access to the existing surface parking areas, i.e., a large surface parking lot at the rear of Building A and smaller surface parking areas along the north and east sides of Building B. One driveway is located on the north side of Building B, which is a two-way driveway, but it only permits a right-turn ingress and right-turn egress turning movement (a median in Pacific Coast Highway prevents left-turn egress from the Project site). The other driveway is a two-way drive into the property, and is located at the south end of the property that currently passes underneath the southern end of Building A and down a ramp into the existing large surface parking lot, which is the proposed location of Building C. ~~An additional driveway is located on Mariposa Avenue on a neighboring~~

~~property, which currently provides access to the large surface parking lot in the center of the Project site. However, this driveway is for emergency vehicle access only and serves as a fire lane. The existing fire lane crosses the existing surface parking lot and exits the property at the northeast corner of 700 North Pacific Coast Highway through a gate continuing onto the property at 1910 East Maple Avenue, exiting onto Maple Avenue.~~

The proposed Project would keep the two curb cuts on Pacific Coast Highway, thus allowing ingress and egress from the existing driveways on the south side of Building A and the north side of Building B. The driveway on the south side of Building A would follow the southern boundary of the Project site, accessing the parking structure on the east side of Building C. This driveway would also provide fire access to the~~A~~ fire lane, which would be located around the exterior of the proposed parking structure, connecting to the existing fire lane on the ~~south side of the Project site (connecting to Mariposa Avenue) and the fire lane on the~~ north side of the Project site (connecting to Maple Avenue) (refer to **Figure 5**). As also shown on **Figure 5**, the driveway on the south side of the Project site would consist of designed concrete to enhance the visual aesthetic of the internal drive aisles. The existing asphalt driveway on the north side of the Project site, which wraps around Building B, would remain as asphalt.

The Project may potentially need to upgrade an existing six-inch sewer lateral line to an eight-inch line. The lateral runs northward from the center of the site, through the neighboring property located at 740 N. Pacific Coast Highway and connects to an existing eight-inch public sewer mainline in Maple Avenue. The upgrade work would involve either trenching or a trenchless replacement method, which will be determined based upon coordination and agreement between the different stakeholders. Ownership of the lateral and easement requirements will be checked and formalized as required.

Construction Activities

The Project would require an estimated 20,770 cubic yards of cut and 120 cubic yards of fill, resulting in a net of 20,650 cubic yards of export. Construction of the proposed Project is anticipated to occur in one phase over an approximately 16-month period, beginning approximately October 2021, finishing in February 2023. In addition to earthwork and installation of site improvements, construction activities would include connections to existing off-site water, sewer, storm drainage, natural gas, and electrical distribution facilities located in nearby streets. Consistent with the City's Noise Ordinance, construction would occur Monday through Saturday between the hours of 7:00 a.m. and 6:00 p.m.

9. Surrounding Land Uses and Setting:

The Project site is surrounded by a mix of office, retail, restaurant, and some non-conforming light industrial, manufacturing, and freight forwarding uses. Specifically, the surrounding area includes the following land uses:

North: North of Building B, along Pacific Coast Highway, is a Chick-Fil-A fast food restaurant (740 North Pacific Coast Highway), parking facilities, and a 76 gasoline station with auto repair service (770 North Pacific Coast Highway). North of Building B and east of Chick-Fil-A and the gas station is a wholesale electronic equipment supplies and a hair product manufacturer, both located in an industrial building (1910 Maple Avenue). A large data center is located east of Building B and north of the landlocked parcel behind

Building A. Northeast of the Project site is Marina Packing and Forwarding, a freight forwarding use, on the southwest corner of the Maple Avenue and Carl Jacobson Way intersection. These land uses north of the Project site are all zoned Corporate Office (CO) in the City's zoning code.

East: Across Carl Jacobson Way, east of the Project site, is the Automobile Driving Museum (610 Carl Jacobson Way) and light industrial uses such as an automotive collision repair shop (760 Carl Jacobson Way), and an animation studio (750 Carl Jacobson Way). These land uses are all zoned Corporate Office (CO) in the City's zoning code.

South: The property immediately south of Building A is a single-story commercial strip center containing retail and restaurant uses located on the northeast corner of Pacific Coast Highway and Mariposa Avenue (zoned General Commercial, C-3). The parking lot of this commercial center contains a stand-alone fast-food restaurant building with a drive-through. A light industrial building, containing a logistics company and a manufacturing business, is located south of the Project site and along the north side of Mariposa Avenue. These businesses are also zoned Corporate Office (CO).

West: The Project site is bound by Pacific Coast Highway to the west. Across Pacific Coast Highway, land uses include a 76 gasoline station with convenience store at the northwestern corner of the Pacific Coast Highway and Mariposa Avenue intersection, a surface parking lot associated with the Fairfield Inn and Suites Marriott hotel located 600 feet southwest of the Project site (525 Pacific Coast Highway), a fast food restaurant (639 Pacific Coast Highway), a currently vacant restaurant building with surface parking lot (707 Pacific Coast Highway), and a dine-in restaurant (IHOP) (755 Pacific Coast Highway). Farther west of the commercial uses along Pacific Coast Highway are single- and multi-family residential uses. The land uses directly across Pacific Coast Highway are zoned General Commercial (C-3) and parking lot (P) in the City's zoning code. Residential land uses farther west are zoned Multi-Family Residential (R-3) in the City's zoning code.

10. Required Approvals:

The City of El Segundo is the lead agency for the Project and has sole discretionary land use authority over the Project proposal. To implement this Project, the following approvals are required:

- A Zone Text Amendment to amend the definition of floor area (net)~~ratio (FAR)~~ in the El Segundo Municipal Code (ESMC) Section 15-1-6 to exempt a fully integrated parking structure within a new construction building (pursuant to Section 15-26 of the ESMC).

- A Vesting Tentative Parcel Map to consolidate seven parcels into one ground parcel (pursuant to Sections 14-2 and 14-3 of the ESMC).

- A Site Plan Review for a new commercial development that includes structures which have a combined gross floor area of more than 50,000 square feet (pursuant to Section 15-30-2 of the ESMC).

- Waivers of Street Dedication requirements on North Pacific Coast Highway, Mariposa Avenue and Carl Jacobson Way (pursuant to Section 15-24-A-5 of the ESMC).

11. Other Public Agencies Whose Approval Is Required (e.g., permits, financing approval, or particular agreement):

This Initial Study is intended to cover all approvals necessary to construct and operate the Proposed Project. No discretionary public agency approvals are known to be required for the Project, other than those required by the City of El Segundo.

12. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, has consultation begun?

One tribe has requested to be notified of projects in the City of El Segundo—the Gabrieleño Band of Mission Indians – Kizh Nation. Please refer to the response to Checklist item 18 for information regarding notification of and consultation with the Gabrieleño Band of Mission Indians – Kizh Nation.

13. References

The documents listed below are incorporated into this document by reference and are available for review in the Planning and Building Safety Department of the City of El Segundo, which is located in City Hall at 350 Main Street, El Segundo, CA 90245, or as shown in the reference.

California Air Pollution Control Officers Association. July 2009. *Health Risk Assessments for Proposed Land Use Projects*.

California Air Resources Board. 2016. *Ambient Air Quality Standards.* Available at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf

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California Building Standards Code, Available at https://www.dgs.ca.gov/BSC/Codes

California Code of Regulations, Available at https://oal.ca.gov/publications/ccr/

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Southern California Association of Governments. 2020. *2020-2045 Regional Transportation Plan/Sustainable Communities Strategy*. Available at https://scag.ca.gov/connect-socal _____. 2019. Federal Transportation Improvement Program. Available at https://scag.ca.gov/2019-ftip

U.S. Census Bureau. 2019. 2-15-2019 American Community Survey 5-Year Estimates: Selected Housing Characteristics (Table DP04), El Segundo.

Water Replenishment District of Southern California. 2020. *Regional Groundwater Monitoring Report: Water Year 2018-2019, Central and West Coast Basins, Los Angeles County, California*

West Basin Municipal Water District. 2016. *2015 Urban Water Management Plan*.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Land Use and Planning	☐ Mineral Resources	☐ Aesthetics
☐ Population and Housing	☐ Hazards and Hazardous Materials	☐ Cultural Resources
☐ Geology and Soils	☐ Noise	☐ Recreation
☐ Hydrology and Water Quality	☐ Public Services	☐ Greenhouse Gas Emissions
☐ Air Quality	☐ Utilities and Service Systems	☐ Tribal Cultural Resources
☐ Transportation/Traffic	☐ Agriculture and Forest Resources	☐ Mandatory Findings of Significance
☐ Biological Resources		

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect is significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 17, Earlier Analysis, may be cross-referenced).

5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration, Section 15063(c)(3)(D). Earlier analyses are discussed in Section 19, at the end of the checklist, if utilized.

DETERMINATION:

On the basis of this initial evaluation:

☐ I find that the project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that, although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a significant effect(s) on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An ENVIRONMENTAL IMPACT REPORT is required but must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because all potentially significant effect (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed on the proposed project.

Signature: _____ Date: _____

Printed Name: Eduardo Schonborn For: City of El Segundo

Title: Principal Planner

1. AESTHETICS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c. In non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d. Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐

Explanation of Checklist Responses

1.a) A scenic vista is generally considered as a publicly accessible, prominent vantage point that provides expansive views of highly valued landscapes or prominent visual elements. As described in the General Plan,[1] the City is located within the urbanized Los Angeles area, and is considered part of the Los Angeles International Airport (LAX)/South Bay subregion at the southwestern edge of the Los Angeles coastal basin (**Figure 1**). The Project vicinity includes LAX and I-105 approximately 0.5 mile to the north, the Hyperion Sewage Treatment Plant 2 miles directly east along the Pacific Ocean coast, the Chevron Refinery 0.6 mile to the south and southwest, and the 405 freeway 1.4 miles to the east (**Figure 2**). The Project site is located in a predominantly urbanized area of the City, with a mix of commercial, office, and residential uses. The El Segundo General Plan Exhibit C-10 (Master Plan of Streets) identifies Pacific Coast Highway/Sepulveda Boulevard as a major arterial in an area of the City which consists of and is surrounded by urban and developed land (**Figure 3**). There are no scenic vistas as defined above or identified by the General Plan in the Project area. Further, there are no unique cultural or topographic features that offer a distinctive and enhanced visual setting which is recognized for its scenic vista qualities. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, the Project would have **no impact** on a scenic vista or view.

1.b) The Project site is not located within a designated state scenic highway.[2] Further, the Project site is not visible from the designated scenic highways nearest to the site, a portion of Route 91 in Orange County and a portion of Route 27 in Topanga Canyon of

[1] City of El Segundo. 1992. *General Plan.*
[2] Caltrans (California Department of Transportation). 2019. *California State Scenic Highway System Map.*

Los Angeles County.[3] The Project site is located along Pacific Coast Highway, which includes portions identified as eligible State Scenic Highway segments; however, the Project site is not located within the eligible portions, the nearest being in Santa Monica, near Route 187, approximately 11 miles north of the Project site.[4] There are no unique cultural, biological or geographic features onsite that would be considered to be a scenic resource. As a result, the site will not visible from the designated or eligible scenic highways. Therefore, Project would have **no impact** to scenic resources within a state scenic highway.

1.c) As mentioned previously, the Project site is located within an urban area with a variety of urban land uses such as commercial, office, and residential land uses. The proposed office use would be consistent with the property's Corporate Office (CO) zoning classification, and the Project would comply with the CO zoning design standards under El Segundo Municipal Code (ESMC) Article D, Corporate Office (CO) Zone, pertaining to building height and bulk, landscaping, yards, signs and outdoor lighting. Additionally, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would have no conflict with the zoning. No other regulations governing scenic quality are applicable to the Project. In summary, the Project would result in **no impact** involving conflicts with zoning standards.

A project is generally considered to have a significant visual/aesthetic impact if it substantially changes the character of an area such that it becomes visually incompatible or degrades the existing context and quality of the site and its surroundings. The Project site has been developed with existing office buildings constructed in the 1960s, and an associated parking lot. Landscaping, including several trees, is present along the Project site's Pacific Coast Highway/Sepulveda Boulevard frontage. The Project area's visual character is defined by low-rise commercial, retail, industrial, residential, and mid-rise office developments. West of the Project site across PCH, these include a Carl's Jr. restaurant, a parking lot that serves the Fairfield Inn and Suites located on the next block south of Mariposa Avenue, and a Union 76 gas station. Developments north of the site include a Chick fil-A restaurant and several industrial uses, including E-Salon Color Studio, a manufacturer of hair products, Marshall Electronics, which is a wholesale electronic equipment supplier, a large data center, and Marina Packing & Forward freight company. Businesses to the east of the site include the Automobile Driving Museum and light industrial uses. Developments to the south of the Project site include a shopping center with El Pollo Loco and In-N-Out Burger restaurants and a 2-3 story office building. **Figure 3** and **Figure 4** show the existing developments at the Project site and the immediate surroundings. The developments in the area consist of a variety of commercial, retail, industrial, and office uses that do not exhibit a distinct visual character and there is no uniformity of architectural styles or coherent visual theme.

The primary objectives of the Project include improving the visual appearance of the existing buildings and beautifying property. The Project proposes to renovate the two existing office buildings (Buildings A and B) along Pacific Coast Highway, demolish the surface parking on the Project site, and construct a new office building, Building C with an integrated parking structure along with a cohesive landscaped plaza. The buildings

[3] California Department of Transportation. 2019. *California State Scenic Highway System Map*.
[4] California Department of Transportation. 2019. *California State Scenic Highway System Map*.

will be renovated and constructed in a contemporary design, as shown in the architectural renderings on **Figures 7a** and **7b**. Building A will have a curtainwall including metal and glass elements. The existing brick facades on Building B will be cleaned and stained with colors matching the overall design palette. Both Buildings A and B will have added entrances and increased landscaping along Pacific Coast Highway. While Building C will be shielded from views from the west along PCH, the new building will be visible from the north, south, and east. the office portion of the new structure will be constructed with concrete and glass, and the design elements consistent with Buildings A and B. The integrated parking will be constructed concrete with architectural grilles and planters, with a similar color and design aesthetic as the office portion. The unifying central plaza area will include enhanced paving, wood seating, and significantly increased landscaping, including more than 75 trees of various species and ground covers and shrubs providing shade and seasonal color.

As described and depicted in the architectural renderings, the Project would improve the visual quality of the existing site with uniform and coherent architectural design and would enhance the visual character of the existing office buildings. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. In summary, the Project would result in a **beneficial impact** on the visual character and visual quality in the Project area.

1.d) Light. The two primary sources of light are those emanating from building interiors that passes through windows, and light from exterior sources, such as street lighting, parking lot lighting, building illumination, security lighting, and landscape lighting. Depending on the location of the light source and its proximity to adjacent light-sensitive uses, light introduction may become a nuisance, affecting adjacent areas and diminishing the view of the clear night sky. Light spillage is typically defined as unwanted illumination from light fixtures on adjacent properties.

The Project involves the use of interior office lighting that is typical with office use. The lighting may be visible for surrounding areas during the nighttime; however, similar to the existing office lighting, the internal lighting would not be directly outward from the buildings and would not be considered new sources of substantial light.

The Project proposes use of security and safety lighting at entry areas, exit doors and at select perimeters areas (i.e., at the north and south sides of the buildings for safety visibility from Pacific Coast Highway), which will be shielded, low lumen downlighting, and will conform to the minimum ESMC required lighting for safety and security. The roof terrace will have well shielded, low lumen downlighting. Building C will have low level lighting for safety at exterior terraces, and the parking structure lighting will conform to the minimum ESMC requirements and will not be directed outward. The courtyard will have lower-level pole lighting and low lumen landscape lighting for nighttime safety and is surrounded by existing buildings and a perimeter site wall. As a result, no light from the Project is expected to spill onto adjacent properties or be a substantial source of light from off-site locations.

While off-site light intrusion is not expected, Mitigation Measure AES-1 will be implemented to ensure that the Project's outdoor lighting is properly designed to avoid such impacts. With implementation of Mitigation Measure AES-1, impacts would be **less than significant**.

Mitigation Measure AES-1: Prior to issuance of a building permit, the Project applicant must submit a lighting plan to the City for review and approval by the Director of Planning and Building Safety. The plan must include the location, height, number of lights, foot-candles by area, and estimates of maximum illumination on-site with no spill at the property lines. The plan must also demonstrate that all lighting fixtures on the buildings and throughout the entire project site are designed and installed so as to contain light on the subject property and will not create spillover effects or be directed toward adjacent properties or public rights-of-way.

Timing/Implementation: Prior to issuance of building permits

Monitoring/Enforcement: El Segundo Planning and Building Safety Department

Glare. Glare and glint refer to the unwanted reflection of the sun's rays or other forms of light by the face of a reflective surface. Glare is primarily a daytime occurrence caused by the reflection of sunlight or artificial light by highly polished surfaces such as window glass or reflective materials and, to a lesser degree, from broad expanses of light-colored surfaces. Glare can also be produced during evening and nighttime hours by the reflection of artificial light sources such as automobile headlights. Glare generation is typically related to either moving vehicles or sun angles, although glare resulting from reflected sunlight can occur regularly at certain times of the year. While glare is a continuous source of excessive brightness, glint is a momentary flash of light produced as a direct reflection of light, which could be experienced by an observer passing at speed, such as a motorist. Glare-sensitive uses include residences, hotels, transportation corridors, and aircraft landing corridors. Glint-sensitive uses include motorists along a transportation corridor and aircraft.

A Glare Analysis was prepared for the Project (**Appendix A**), which assessed the Project's potential to create glare on glare-sensitive uses along the Pacific Coast Highway corridor and the residential areas in the Project vicinity. The existing eight-story Building A was identified as having the potential to create glare based on the existing building height, location next to Pacific Coast Highway and 270 feet east of the nearest residential use (along East Palm Avenue), westward facing position, and the proposed renovation with a curtainwall using metal and glass materials. While the new structure, Building C, is proposed with glass facades, due to the location of the building behind the existing Building A, which extends nearly 20 feet higher than Building C, Building C would be screened from views directly west of the Project site. Portions of Building C would be visible from PCH south of the Project site and along Mariposa Avenue. Based on the orientation of Building C's glass facades, while sunlight would not result in a sustained reflection off the south-oriented façade to result in glare, observers may experience temporary glint. However, when evaluated with the following proposed surface treatments and selection of materials, the effects of glare were not found to be substantial: low-emissivity (low-e) glass that is clear and permits visible light to enter the building, thus reducing reflectivity; metal cladding on the curtainwall to be finished with aluminum composite panels (ACP), with matte white or matte, clear anodized aluminum finish, which would diffuse light; and concrete on the north and south elevations to be painted with low sheen paint and clad limitedly in matte finish ACP with matte white or matte, clear anodized aluminum finish. Similarly, the selected materials and proposed surface treatments would diffuse incident light and reduce the potential for glint.

While the Project is not expected to generate substantial glint and glare, Mitigation Measure AES-2 will be implemented to ensure that the Project's material use and surface treatments are properly incorporated to avoid such effects. With implementation of Mitigation Measure AES-2, impacts would be **less than significant**.

Mitigation Measure AES-2: Prior to issuance of a building permit, the Project applicant must submit the Final Design Plans to the City for review and approval by the Director of Planning and Building Safety. The plans must identify the material use that meets the Visible Light Reflection (VLR) performance of the following:

i) The new west-facing façade of Building A and south-facing façade of Building C shall employ a high-performance glazing system comprising a commercial glazing equal to Vitro Solarban 70(2) + Clear with exterior visible light reflection (VLR) of 13% or less;
ii) Exterior metal cladding on the Building A curtainwall facing Pacific Coast Highway to be finished with aluminum composite panels (ACP), with matte white or matte, clear anodized aluminum finish; and,
iii) Concrete on the north and south elevations of Building A will be painted with low sheen paint and clad limitedly in matte finish ACP with matte white or matte, clear anodized aluminum finish.

Timing/Implementation: *Prior to issuance of building permits*

Monitoring/Enforcement: *El Segundo Planning and Building Safety Department*

2. AGRICULTURE AND FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Explanation of Checklist Responses

2.a) The Farmland Mapping and Monitoring Program (FMMP) produces maps and statistical data that are used for analyzing impacts on California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status. The maps are updated every two years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance. FMMP produces Important Farmland Maps, which are a hybrid of resource quality (soils) and land use information. The Project site is identified as Urban and Built-Up Land,[5] which is defined as land occupied by structures with a building density of at least 1 unit to 1.5 acres, and is used for residential, industrial,

[5] California Department of Conservation. 2020. *California Important Farmland Finder*.

commercial, construction, institutional, public administration, railroad and other transportation yards, and other developed purposes.[6]

The Project site is currently developed with three office buildings and surface parking lots, and it is located in a fully developed and urbanized area of El Segundo. Further, the site is not adjacent to or near any land used for agricultural purposes. The Project site is not designated in the FMMP as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, and would not involve conversion of Farmland. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, the Project would result in **no impact**.

2.b) The Project site and the surrounding area is not zoned for agriculture. Instead the site is zoned Corporate Office (CO) and surrounding areas area zoned either CO or General Commercial. Neither of these zones permit agricultural use and there is no farmland on-site or in the vicinity.[7] The proposed Project, including the zone text amendment, would have no impact involving a conflict with zoning for agricultural use. The Project site is not part of a Williamson Act contract or any other sort of deed or land use restrictions intended to preserve or foster agricultural uses; therefore, there would be **no impact** involving a conflict with such zoning or land restrictions.

2.c) As noted above, the subject property is zoned CO, which is intended to provide for the development of office projects, as stated in ESMC Section 15-5D-1, and has no applicability to forestland or timberland. All surrounding land is fully developed with commercial and some non-conforming light industrial and manufacturing uses. There is no forest or timberland on or near the Project site. Therefore, there would be **no impact** involving a conflict with zoning for forest or timberland.

2.d) The Project site has been previously developed with commercial uses and does not contain any forestland. All surrounding land is fully developed with commercial and some non-conforming industrial and manufacturing uses. There is no forest or timberland on or near the Project site. Therefore, the Project would not cause the conversion of forest land to non-forest use, and would result in **no impact**.

2.e) The Project site is currently developed with office buildings and surface parking, and there are no agricultural or forest uses in the vicinity. Therefore, the Project would not involve changes in the existing environment that could result in conversion of Farmland to nonagricultural use or the conversion of forestland to non-forest use. As such, there would be **no impact**.

[6] California Department of Conservation. 2020. *California Important Farmland Categories*.
[7] El Segundo Municipal Code, Title 15, Chapter 5, Article C and Article D.

3. AIR QUALITY

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated December 21, 2020. This report, hereinafter referred to as the AQ-Energy-GHG Study, is included as **Appendix B** of this IS/MND.

Background

The Project site is within the South Coast Air Basin (SCAB), which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). As the local air quality management agency, the SCAQMD is required to monitor air pollutant levels to ensure that state and federal air quality standards are met and, if they are not met, to develop strategies to meet the standards. The health effects associated with criteria pollutants upon which attainment of state and federal quality standards is measured are described in **Table 3-1**. Depending on whether the standards are met or exceeded, SCAB is classified as being in attainment or nonattainment, as summarized in **Table 3-2**.

SCAB is designated as nonattainment for the federal and state 1-hour and 8-hour ozone standards, the state PM_{10} standards, and the federal and state $PM_{2.5}$ standards, which are provided in **Table 3-1**. The Los Angeles County portion of SCAB is also designated as non-attainment for federal lead standards. Thus, SCAB currently exceeds state and federal ambient air quality standards for these pollutants. The SCAQMD is required to implement strategies to reduce pollutant levels to acceptable standards. This nonattainment status is a result of several factors, primarily the naturally adverse meteorological conditions that limit the dispersion and diffusion of pollutants, the limited capacity of the local airshed to eliminate air pollutants, and the number, type, and density of emission sources within SCAB. The SCAQMD has adopted an Air Quality Management Plan (AQMP) that includes a strategy for the attainment of state and federal air quality standards.[8]

[8] South Coast Air Quality Management District. 2016. *2016 Air Quality Management Plan*.

Table 3-1. State and Federal Criteria Pollutant Standards

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O_3)	0.09 ppm / 1-hour 0.07 ppm / 8-hour	0.070 ppm, / 8-hour	(a) Pulmonary function decrements and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm / 1-hour 9.0 ppm / 8-hour	35.0 ppm / 1-hour 9.0 ppm / 8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO_2)	0.18 ppm / 1-hour 0.030 ppm / annual	100 ppb / 1-hour 0.053 ppm / annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO_2)	0.25 ppm / 1-hour 0.04 ppm / 24-hour	75 ppb / 1-hour 0.14 ppm/annual	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM_{10})	50 µg/m^3 / 24-hour 20 µg/m^3 / annual	150 µg/m^3 / 24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; and (c) Increased risk of premature death from heart or lung diseases in elderly.
Suspended Particulate Matter ($PM_{2.5}$)	12 µg/m^3 / annual	35 µg/m^3 / 24-hour 12 µg/m^3 / annual	
Sulfates	25 µg/m^3 / 24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; and (f) Property damage.
Lead	1.5 µg/m^3 / 30-day	0.15 µg/m^3 /3-month rolling	(a) Learning disabilities; and (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer - visibility of ten miles or more due to particles when relative humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

Source: California Air Resources Board. 2016. *Ambient Air Quality Standards*.

Table 3-2. South Coast Air Basin Attainment Status

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
1-Hour Ozone	NAAQS	1979 1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 (revised deadline)
	CAAQS	1-Hour (0.09 ppm)	Nonattainment	N/A
8-Hour Ozone	NAAQS	1997 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	NAAQS	2008 8-Hour (0.075 ppm)	Nonattainment (Extreme)	7/20/2032
	NAAQS	2015 8-Hour (0.070 ppm)	Nonattainment (Extreme)	8/3/2038
	CAAQS	8-Hour (0.070 ppm)	Nonattainment	Beyond 2032
CO	NAAQS	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (attained)
	CAAQS	1-Hour (20 ppm) 8-Hour (9 ppm)	Attainment	6/11/2007 (attained)
NO_2	NAAQS	2010 1-Hour (0.10 ppm)	Unclassifiable/ Attainment	N/A (attained)
	NAAQS	1971 Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (attained)
	CAAQS	1-Hour (0.18 ppm) Annual (0.030 ppm)	Attainment	---
SO_2	NAAQS	1-Hour (75 ppb)	Designations Pending (expect Unclassifiable/ Attainment)	N/A (attained)
	NAAQS	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (attained)
PM10	NAAQS	1987 24-hour (150 µg/m^3)	Attainment (Maintenance)	7/26/2013 (attained)
	CAAQS	24-hour (50 µg/m^3) Annual (20 µg/m^3)	Nonattainment	N/A
PM2.5	NAAQS	2006 24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019
	NAAQS	1997 Annual (15.0 µg/m^3)	Attainment	8/24/2016
	NAAQS	2012 Annual (12.0 µg/m^3)	Nonattainment (Serious)	12/31/2025
	CAAQS	Annual (12.0 µg/m^3)	Nonattainment	N/A
Lead	NAAQS	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)	12/31/2015
Hydrogen Sulfide (H_2S)	CAAQS	1-Hour (0.03 ppm or 42 µg/m^3)	Attainment	---
Sulfates	CAAQS	24-Hour (25 µg/m^3)	Attainment	---
Vinyl Chloride	CAAQS	24-Hour (0.01 ppm or 26 µg/m^3)	Attainment	---

Source: South Coast Air Quality Management District. 2016. *National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) Attainment Status for South Coast Air Basin*.

Explanation of Checklist Responses

3.a) As part of its enforcement responsibilities, the United States Environmental Protection Agency (USEPA) requires each state with nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas,

using a combination of performance standards and market-based programs. Similarly, under state law, the California Clean Air Act requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the federal and state ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously mentioned, the Project site is located within SCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD is required, pursuant to the federal Clean Air Act, to reduce emissions of criteria pollutants for which SCAB is in nonattainment. In order to reduce such emissions, the SCAQMD prepared the 2016 Air Quality Management Plan. The 2016 AQMP establishes a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. The 2016 AQMP is a regional, multi-agency effort including SCAQMD, the California Air Resources Board (CARB), the Southern California Association of Governments (SCAG), and the USEPA. The plan's pollutant control strategies are based on the latest scientific and technical information and planning assumptions, including SCAG's 2016 Regional Transportation Plan/Sustainable Communities Strategy, updated emissions inventory methodologies for various source categories, and SCAG's latest growth forecasts. (SCAG's latest growth forecasts were defined in consultation with local governments and with reference to local general plans.) The project is subject to the SCAQMD's Air Quality Management Plan.

Criteria for determining consistency with the AQMP are defined by the following indicators:

- Consistency Criterion No. 1: Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- Consistency Criterion No. 2: Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

Criterion 1 - Increase in the Frequency or Severity of Violations?

Based on the air quality modeling analysis contained in **Appendix B** and summarized herein in **Tables 3-3 and 3-4**, short-term construction air emissions would not result in significant impacts based on SCAQMD regional thresholds of significance or local thresholds of significance. As summarized in **Table 3-5** herein, the ongoing operation of the Project would generate air pollutant emissions that are inconsequential on a regional basis and would not result in significant impacts based on SCAQMD thresholds of significance. As shown in **Table 3-5**, the analysis for long-term local air quality impacts showed that local pollutant concentrations would not be projected to exceed the air quality standards. Therefore, a less than significant long-term impact would occur and no mitigation would be required.

Therefore, based on the information provided above, the proposed Project would be consistent with the first criterion.

Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the Project with the assumptions in the AQMP. The emphasis of this criterion is to ensure that the analyses conducted for the Project are based on the same forecasts for regional growth as the AQMP. The AQMP is developed through use of the planning forecasts provided in the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and the SCAG Federal Transportation Improvement Program (FTIP). Population forecasts are developed through a number of socio-economic variables and with input from local government agencies with respect to their long-range land use plans and local growth forecasts. The RTP/SCS is a major planning document for the regional transportation and land use network within Southern California. The RTP/SCS is a long-range plan that is required by federal and state requirements placed on SCAG and is updated every four years. The FTIP provides long-range planning for future transportation improvement projects that are constructed with state and/or federal funds within Southern California. Local governments are required to manage their communities in a manner consistent with these regional plans.

The Project site is currently designated as Corporate Office in the General Plan and is zoned Corporate Office (CO). The CO Zone permits a maximum floor area ratio (FAR) of 0.8:1. As such, the 7.2-acre Project site is allowed a maximum 252,913.6 square feet of net floor area. Since the proposed Project would result in a total of 235,057 square feet of net floor area, the Project is consistent with the existing land use designation and zoning. However, since the zoning code is unclear if the proposed parking structure is included in the FAR, the applicant is requesting a Zone Text Amendment to amend the definition of ~~F~~floor ~~A~~area (net)~~Ratio~~ within ESMC Section 15-1-6 to exempt a fully integrated parking structure within a new construction building. It should be noted the generation of vehicle trips and associated air emissions are generated by the amount of office building square footage and not by the size of the parking lot/structure or the number of parking spaces. As such, the proposed Zone Text Amendment for the proposed parking structure would not change the AQMP assumptions for the Project site. Therefore, the proposed Project, including the proposed zone text amendment, is not anticipated to exceed the AQMP assumptions, and is found to be consistent with the AQMP for the second criterion.

Based on the above, the Project would not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur in relation to implementation of the AQMP and no mitigation would be required.

3.b) The following section provides the calculated potential air emissions associated with the construction and operations of the Project and compares the emissions to the SCAQMD CEQA thresholds of significance.

Construction Emissions

The Project construction activities are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. The construction emissions have been analyzed for both regional and local air quality impacts.

Construction-Related Regional Impacts

The CalEEMod model has been used to calculate the Project construction-related regional emissions. The worst-case summer or winter daily Project construction-related criteria pollutant emissions for each phase of construction activities are shown below in **Table 3-3**. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently towards the end of the building construction phase, **Table 3-3** shows the combined regional criteria pollutant emissions from building construction/renovation (year 2023), architectural coating, and paving/site improvement phases of construction.

Table 3-3 shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition/rough grading, grading/foundation, building construction/ renovation, or the combined building construction/renovation, architectural coatings, and paving/site improvement phases. Therefore, the Project construction would result in a **less than significant impact** to regional air quality and no mitigation would be required.

Table 3-3. Construction-Related Regional Criteria Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Demolition/Rough Grading[1]						
On-site	4.65	49.34	33.30	0.07	3.71	2.20
Off-site	0.41	8.61	3.16	0.03	0.97	0.29
Total	5.05	57.95	36.46	0.10	4.68	2.48
Grading/Foundation[1]						
On-site	1.83	18.81	11.95	0.02	3.42	2.22
Off-site	1.38	37.73	10.63	0.12	3.30	0.99
Total	3.21	56.54	22.58	0.14	6.72	3.21
Building Construction/Renovation (Year 2022)						
On-site	0.81	7.76	9.15	0.02	0.40	0.38
Off-site	1.83	13.46	15.05	0.07	4.47	1.24
Total	2.63	21.22	24.19	0.08	4.87	1.62
Combined Building Construction/Renovation (2023), Architectural Coatings, and Paving/Site Improvements						
On-site	25.13	19.69	25.49	0.04	0.99	0.93
Off-site	1.99	10.55	16.70	0.07	5.33	1.47
Total	27.12	30.24	42.19	0.11	6.32	2.40
Maximum Daily Construction Emissions	27.12	57.95	42.19	0.14	6.72	3.21
SCQAMD Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Demolition and Grading based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[2] On-site emissions from equipment not operated on public roads.

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5

[3] Off-site emissions from vehicles operating on public roads.
Source: AQ Energy GHG Study, see **Appendix B**.

Construction-Related Local Impacts

Construction-related air emissions may have the potential to exceed the State and Federal air quality standards in the Project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from construction were analyzed through utilizing the methodology described in *Localized Significance Threshold Methodology* (LST Methodology), prepared by SCAQMD, revised October 2009. The LST Methodology found the primary criteria pollutant emissions of concern are NO_x, CO, PM10, and PM2.5. In order to determine if any of these pollutants require a detailed analysis of the local air quality impacts, each phase of construction was screened using the SCAQMD's Mass Rate LST Look-up Tables. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily onsite- emissions of CO, NO_x, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality.

Table 3-4 shows the on-site emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds that have been detailed. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently, **Table 3-4** shows the combined local criteria pollutant emissions from building construction, paving and architectural coating phases of construction.

Table 3-4. Construction-Related Local Criteria Pollutant Emissions

Phase	Pollutant Emissions[1] (pounds/day)			
	NOx	CO	PM10	PM2.5
Demolition/Rough Grading[2]	50.42	33.70	3.83	2.23
Grading/Foundation[2]	23.52	13.28	3.83	2.34
Building Construction/Renovation (year 2022)	9.45	11.03	0.96	0.54
Combined Building Construction/Renovation (2023), Architectural Coatings, and Paving/Site Improvements	22.00	27.78	1.72	1.17
Maximum Daily Construction Emissions	50.42	33.70	3.83	2.34
SCAQMD Local Construction Thresholds[3]	197	2,387	55	16
Exceeds Threshold?	No	No	No	No

Notes:
[1] The Pollutant Emissions include 100% of the on-site emissions (off-road equipment and fugitive dust) and 1/8 of the off-site emissions (on road trucks and worker vehicles), in order to account for the on-road emissions that occur within a ¼ mile of the project site.
[2] Demolition and Grading phases based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[3] The nearest off-site sensitive receptors to the Project site are multi-family homes located as near as 270 feet (82 meters) west of the project site. As such, the 50 and 100 meter thresholds were interpolated to 82 meters.
Source: AQ Energy GHG Study, see **Appendix B**. Calculated from SCAQMD's Mass Rate Look-up Tables for five acres in Air Monitoring Area 3, Southwest Coastal LA County.

As shown in **Table 3-4**, the Project would not exceed any criteria pollutant local emissions thresholds during either demolition/rough grading, grading/foundation, building construction/renovation, or the combined building construction/renovation, architectural coatings, and paving/site improvement phases. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, construction of the Project would result in a **less than significant impact** to local air quality and no mitigation would be required.

Operational Emissions

The on-going operation of the Project would result in a long-term increase in air quality emissions. This increase would be due to emissions from onsite- area sources, energy usage, and Project generated vehicle trip emissions. The following section provides an analysis of potential long-term air quality impacts due to regional air quality and local air quality impacts with the on-going operations of the Project.

Operations-Related Regional Criteria Pollutant Analysis

The operations-related regional criteria air quality impacts created by Project have been analyzed through use of the CalEEMod model. The Project's worst-case summer or winter VOC, NO_x, CO, SO_2, PM10, and PM2.5 daily emissions during long-term operations have been calculated and are summarized below in **TABLE 3-**5.

Table 3-5. Operational Regional Criteria Pollutant Emissions

	Pollutant Emissions (pounds/day)					
Emissions Source	**VOC**	**NOx**	**CO**	**SO_2**	**PM10**	**PM2.5**
Area Sources[1]	7.60	<0.00	0.16	<0.00	<0.00	<0.00
Energy Usage[2]	0.10	0.92	0.78	0.01	0.07	0.07
Mobile Sources[3]	4.02	16.50	48.09	0.18	14.68	4.01
Total Emissions	11.72	17.42	49.02	0.18	14.75	4.08
SCQAMD Operational Thresholds	55	55	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consist of emissions from natural gas usage.
[3] Mobile sources consist of emissions from vehicles and road dust.
Source: AQ Energy GHG Study, see **Appendix B**. Calculated from CalEEMod Version 2016.3.2.

As shown in **Table 3-5**, the long-term operation of the Project would not exceed the criteria pollutant regional emissions thresholds. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, operation of the Project would result a less than significant regional air quality impact and no mitigation would be required.

3.c) Some land uses are considered more sensitive to air pollution than others because of the types of population groups or activities involved. Sensitive population groups

include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases. Residential areas are considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Children are considered more susceptible to the health effects of air pollution due to their immature immune systems and developing organs. As such, schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation.

The proposed Project would not expose sensitive receptors to substantial pollutant concentrations. The local concentrations of criteria pollutant emissions produced in the nearby vicinity of the Project, which may expose sensitive receptors to substantial concentrations have been calculated for both construction and operations, which are discussed separately below. The discussion below also includes an analysis of the potential impacts from toxic air contaminant emissions. The nearest sensitive receptors to the Project site are residents at the multi-family homes located as near as 270 feet west of the Project site.

Construction-Related Sensitive Receptor Impacts

The Project construction activities are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Construction activities may expose sensitive receptors to substantial pollutant concentrations of localized criteria pollutant concentrations and from toxic air contaminant emissions created from on-site construction equipment, which are described below.

Local Criteria Pollutant Impacts from Construction

The local air quality impacts from the Project construction has been analyzed, with the results provided in **Table 3-4**, which provides the on-site emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently, the results combine local criteria pollutant emissions from building construction, paving and architectural coating phases of construction. As shown, the Project construction emissions would not exceed the local NO_x, CO, PM10 and PM2.5 thresholds of significance. Therefore, construction of the proposed project would create a **less than significant** construction-related impact to local air quality and **no mitigation** would be required.

Toxic Air Contaminants Impacts from Construction

The greatest potential for toxic air contaminant emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during Project construction. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "individual cancer risk."

"Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. It should be noted that the most current cancer risk assessment methodology recommends analyzing a 30-year exposure period for the nearby sensitive receptors.[9]

The Project construction activities involve the operation of diesel-powered haul trucks and off-road equipment that would operate between 270 feet and 1,000 feet from the nearest homes to the west. The maximum haul trips would occur during the combined demolition and grading phase, which entail the export of 26,575 cubic yards of material requiring a total of 3,322 haul trips and averaging 83 haul trips per day over 40 days. According to CAPCOA's 2009 *Health Risk Assessments for Proposed Land Use Projects*, CAPCOA recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs). Since construction activities would generate less than the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur from construction-related haul trucks.

There would be up to nine pieces of diesel-powered off-road equipment operating simultaneously on the Project site during the combined demolition and rough grading phase. All diesel-powered powered equipment would be required to adhere to California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 that regulates emissions from off-road diesel equipment in California. This regulation limits idling of equipment to no more than five minutes, requires equipment operators to label each piece of equipment and provide annual reports to CARB of their fleet's usage and emissions. This regulation also requires systematic upgrading of the emission Tier level of each fleet, and currently no commercial operator is allowed to purchase Tier 0 or Tier 1 equipment and by January 2023 no commercial operator is allowed to purchase Tier 2 equipment. In addition to the purchase restrictions, equipment operators need to meet fleet average emissions targets that become more stringent each year between years 2014 and 2023. As of January 2019, 25 percent or more of all contractors' equipment fleets must be Tier 2 or higher.

Given the relatively limited number of heavy-duty construction equipment and haul trucks used during the demolition and grading phase, the varying distances that construction equipment would operate to the nearby sensitive receptors, and the short-term construction schedule, the proposed Project would not result in a long-term (i.e., 30 or 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project. As such, construction of the proposed Project would result in a **less than significant** exposure of sensitive receptors to substantial pollutant concentrations and no mitigation would be required.

Operations-Related Sensitive Receptor Impacts

[9] California Office of Environmental Health Hazard Assessment. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments.*

The following sections analyze the effects of on-going operations of the Project, and the potential to expose sensitive receptors to substantial pollutant concentrations from the potential local air quality impacts from on-site operations and from possible toxic air contaminant impacts.

Local Criteria Pollutant Impacts from On-site Operations

The local air quality impacts from the Project operation would occur from on-site sources such as architectural coatings, landscaping equipment, and natural gas appliances, as well as from vehicle emissions from the Project site and the immediate vicinity. The local NOx, CO, PM10 and PM2.5 emissions resulting from the Project operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the methodology described in LST Methodology, and the results are summarized in **Table 3-5**. As shown, operation of the Project would not exceed the LST thresholds of significance. Therefore, the on-going operations of the proposed project would create a **less than significant** operations-related impact to local air quality due to on-site emissions and no mitigation would be required.

Operations-Related Toxic Air Contaminant Impacts

Particulate matter (PM) from diesel exhaust is the predominant Toxic Air Contaminant (TAC) in most areas and according to *The California Almanac of Emissions and Air Quality 2013 Edition*, prepared by CARB, about 80 percent of the outdoor TAC cancer risk is from diesel exhaust. The proposed Project would not generate other sources of TACs that could affect neighboring land uses. Some chemicals in diesel exhaust, such as benzene and formaldehyde have been listed as carcinogens by State Proposition 65 and the Federal Hazardous Air Pollutants program. According to *Health Risk Assessments for Proposed Land Use Project*, prepared by California Air Pollution Control Officers Association (CAPCOA), July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs).

According to the ITE Trip Generation 10th Edition Supplement, Version 2/20/20, for the ITE Land Use 710 – General Office Building, daily truck trips represent 1 percent of the overall trip generation for the proposed project. Per the Noise Study (**Appendix G**), the proposed Project would generate 2,797 gross daily trips, this would result in 28 daily truck trips per day or 14 truck deliveries per day to the Project site. Since the proposed project would generate well below the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a **less than significant** TAC impact would occur during the on-going operations of the proposed Project and no mitigation would be required.

Therefore, operation of the proposed Project, including the zone text amendment, would result in a **less than significant** exposure of sensitive receptors to substantial pollutant concentrations.

3.d) The Project would not create objectionable odors affecting a substantial number of people. Individual responses to odors are highly variable and can result in a variety of effects. Generally, the impact of an odor results from a variety of factors such as frequency, duration, offensiveness, location, and sensory perception. The frequency is

a measure of how often an individual is exposed to an odor in the ambient environment. The intensity refers to an individual's or group's perception of the odor strength or concentration. The duration of an odor refers to the elapsed time over which an odor is experienced. The offensiveness of the odor is the subjective rating of the pleasantness or unpleasantness of an odor. The location accounts for the type of area in which a potentially affected person lives, works, or visits; the type of activity in which he or she is engaged; and the sensitivity of the impacted receptor.

Construction-Related Odor Impacts

Potential sources that may emit odors during construction activities include the application of coatings such as asphalt pavement, paints and solvents and from emissions from diesel equipment. Standard construction requirements that limit the time of day when construction may occur as well as SCAQMD Rule 1108 that limits VOC content in asphalt and Rule 1113 that limits the VOC content in paints and solvents would minimize odor impacts from construction. As such, the objectionable odors that may be produced during the construction process would be temporary and would not likely be noticeable for extended periods of time beyond the project site's boundaries. Through compliance with the applicable regulations that reduce odors and due to the transitory nature of construction odors, a **less than significant** odor impact would occur and no mitigation would be required.

Operations-Related Odor Impacts

Potential sources that may emit odors during the on-going operations of the Project would primarily occur from the outdoor trash storage areas. There would be no odor sources from building interior activities or building systems that would reach the outdoor atmosphere. Pursuant to City regulations, permanent trash enclosures that protect trash bins from rain as well as limit air circulation would be required for the trash storage areas. Due to the distance of the nearest receptors from the Project site and through compliance with SCAQMD's Rule 402 and City trash storage regulations, no significant impact related to odors would occur during the on-going operations of the proposed Project. Therefore, a less than significant odor impact would occur and no mitigation would be required.

4. BIOLOGICAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☐	☒
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f. Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Explanation of Checklist Responses

4.a–d) The Project site is in a fully developed, urbanized portion of the City and is not located in an area with high ecological sensitivity. As previously mentioned, the Project site is currently developed with existing office buildings and surface parking lots. The existing office buildings include: Building A, an eight-story, rectangular office building; Building B, a two-story, square office building; and Building D, a one-story, rectangular office building. There are limited ornamental trees and shrubs along the Project site's frontage along Pacific Coast Highway that vary in size, species, and health. Two mature street trees are located within the sidewalk between Building A and Pacific Coast Highway, which would be removed as part of the proposed Project; however, given that these trees are located within an urbanized area and surrounded by impervious surfaces, they are unlikely to support any sensitive wildlife species. One ornamental coniferous tree is located on the western frontage of Building A between the structure and the surface parking lot. The Project applicant would be required to comply with ESMC Title 9 Chapter Three (Street Trees), which states that removal of a street tree by a private entity requires a permit from the City. Further, whenever a street tree is removed or

destroyed pursuant to any tree permit, the permittee must plant another tree. The Project proposes to include more than 75 trees of a varying species throughout the Project site, including a selection of specimen size Coast Live Oaks that would visually enhance the plaza. Other areas enhanced with new trees include the front setback area of Buildings A and B along the Pacific Coast Highway street frontage and the eastern edge of the existing surface parking lot behind Building B. The increased landscaping as compared with existing conditions would beautify the site, provide much needed shade, increase site permeability, and increase the size of the City's urban forest, thus reducing heat island effect.

The Project site does not contain any natural vegetation, natural communities, or biological resources that could support any sensitive plants or wildlife species. The property is not in an area designated as critical habitat for any sensitive wildlife species, nor is the area subject to any conservation plans, recovery plans, or similar policies and ordinances. There are no wetlands, marshes, surface drainages, ponds, lakes, streams, or any type of water-based habitat or any riparian communities on or near the Project site. No food or water sources are on-site or in the surrounding areas that would support migrating fish or wildlife. The vegetation and animal species supported in the limited man-made ornamental landscaping beds include species that are commonly found in urban environments and are thus, not protected by California Department of Fish and Wildlife or U.S. Fish and Wildlife Service. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As a result, the Project would have **no impact** on sensitive or protected biological resources, migratory wildlife corridors, or protected wetland and riparian habitats.

4.e) As stated above, there are limited ornamental trees and shrubs along the Project site's Pacific Coast Highway frontage that vary in size, species, and health. This includes two mature street trees, which are located within the sidewalk between Building A and Pacific Coast Highway. These two trees would be removed as part of the proposed Project. The Project applicant would be required to comply with ESMC Title 9 Chapter Three (Street Trees), which states that a permit to remove a street tree is necessary. Further, whenever a street tree is removed or destroyed pursuant to any tree permit, the permittee must plant another tree. The proposed Project would provide landscaping to meet the types and minimum sizes of plant material (trees, shrubs, and groundcover) in landscaped areas in the plaza and in setback areas as required in the zoning regulations in the El Segundo Municipal Code. Street trees would be installed where required and where feasible in compliance with the requirements of El Segundo's Municipal Code and the City's Master Street Tree Plan. As stated above, more than 75 trees of a varying species would be planted throughout the Project site, which would include several specimen size Coast Live Oaks that would be planted in the proposed plaza between Building A and the proposed Building C. Other areas enhanced with new trees would include the front setback area of the Buildings A and B along the Pacific Coast Highway street frontage and the eastern edge of the existing surface parking lot behind Building B. Compliance with the City's Street Tree chapter of the municipal code, which would be confirmed through the City's plan check process, would ensure that the Project would not conflict with an applicable local policy or ordinance protecting biological resources. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, the Project would result in **no impact**.

4.f) As stated above, the Project site is a previously disturbed site with no existing natural vegetation. Although there are areas within El Segundo that contain sensitive habitat, they are located in coastal areas, specifically, coastal habitat for the El Segundo Blue Butterfly. As described in the General Plan Conservation Element, the El Segundo Blue Butterfly is listed on the federal endangered species list, and is dependent upon and rarely strays from coastal buckwheat plants. At this time, the butterfly occurs on a 1.96 acre preserve adjacent to and maintained by the Chevron Refinery and in the dune area under the flight path of the Los Angeles International Airport. Since this project is not located in the City's Coastal Zone, coastal sensitive habitat would not be impacted by the Proposed Project. As such, given the existing use of the Project site as commercial office space and surface parking lots, the Project would not conflict with provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan and the Project would have **no impact**.

5. CULTURAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5?	☐	☐	☒	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?	☐	☒	☐	☐
c. Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

The following analysis is based in part on the information contained in the Project Cultural Resources Memorandum by Michael Baker International, which is included as **Appendix C** of this IS/MND.

Explanation of Checklist Responses

5.a) A historical resource is defined in CEQA Guidelines Section 15064.5(a)(3) as any object, building, structure, site, area, place, record, or manuscript determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California. Historical resources are further defined as being associated with significant events, important persons, or distinctive characteristics of a type, period, or method of construction; representing the work of an important creative individual; or possessing high artistic values.

The potential for historic resources on the Project site was evaluated in the Project Cultural Resources Memorandum by Michael Baker International (see **Appendix C**). The Project area was undeveloped until 1927, and then between 1928 and 1947, the land was used for agricultural purposes. No built features are depicted within the Project area until 1953 with the extant building at 737 Lairport Street (Carl Jacobson Way) (Building D). By 1964, both 650 and 700 North Pacific Coast Highway (Building A and Building B, respectively) were constructed. While Building A (650 North Pacific Coast Highway) was designed by noted architect Daniel Dworsky, the building has been permanently altered for over 55 years and was previously graded to accommodate the existing structure foundations and parking uses. Building A and Building B were evaluated for inclusion in the California Register and recommended ineligible for listing under Criteria 1, 2, 3, and 4 both individually and as contributors to a historic district due to a lack of association with a historic context. Additionally, the resources were evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and they do not appear to be historic resources for the purposes of CEQA. As evaluated in the Project Cultural Resources Memorandum, the Project site neither contains structures listed on the National Register of Historic Places nor includes structures listed as a Los Angeles Historic–Cultural Monument. As such, the Project would have **a less than significant impact** on a historic resource.

5.b) An archaeological resource is defined in Section 15064.5(c) of the CEQA Guidelines as a site, area, or place determined to be historically significant as defined in Section 15064.5(a) (see definition of historical resource in checklist response 14.a) or as a unique archaeological resource defined in Public Resources Code Section 21083.2 as an artifact, object, or site that contains information needed to answer important scientific research questions of public interest, or that has a special and particular quality such as being the oldest or best example of its type, or that is directly associated with a scientifically recognized important prehistoric or historic event or person.

The earliest inhabitants to the Los Angeles Basin occurred in the Paleocoastal or Paleoindian Period terms, indicating proximity to the coast and is generally dated between about 13,000 and 8,500 before present (BP). These earliest inhabitants were highly mobile hunter-gatherers. Others redefined the Millingstone Horizon as the Encinitas Tradition, which dates to between about 8,500 BP and 3,500 BP. Encinitas is a widespread cultural phenomenon distinguished by an abundance of manos and metates and a dearth of vertebrate faunal remains, projectile points, and mortar and pestle groundstone tools. Definitions of the Intermediate Period and Late Prehistoric Period continue to be employed as temporal periods, though understanding of cultural practices, technology, and migrations, among other aspects, has been thoroughly deepened.

At the beginning of the historic period, the Project location is understood to be within the ancestral territory of the Gabrieliños though no Gabrieliño villages are known to be within the vicinity of the Project site, and the place name *Waachnga* is located approximately 3 miles to the north-northwest. This place name potentially corresponds to the location of *Gauchn*, an Indigenous village. The Gabrieliño Indians are named because of their association with the Mission San Gabriel Arcángel, located approximately 20 miles northeast. Generally, their territory included all of the Los Angeles Basin, parts of the Santa Ana and Santa Monica Mountains, along the coast from Aliso Creek in the south to Topanga Canyon in the north, and San Clemente, San Nicolas, and Santa Catalina Islands. The Gabrielino spoke a dialect of the Cupan group of the Takic language family.

The Project area was once part of Rancho Sausal Redondo, and as mentioned above, remained undeveloped until 1927. The cultural resources assessment included a records search (File No. 21729.7831) on October 15, 2020 through the South Central Coastal Information Center (SCCIC). The SCCIC, as part of the California Historical Resources Information System, California State University, Fullerton, an affiliate of the California Office of Historic Preservation (OHP), is the official state repository of cultural resources records and reports for Los Angeles County. Three cultural resource reports were previously completed within the Project area, and six were completed within the quarter-mile search area, as identified in **Table 5-1**.

No cultural resources were identified within the Project area; however, because the Project would involve excavations for a new building that would include native soils, there is potential, however slight, to uncover previously undiscovered archaeological resources from the regional inhabitants.

As a result, the following Mitigation Measure CUL-1 will be implemented such that in the event of any discovery of unknown cultural resources during earthwork, impacts would be **less than significant**.

Table 5-1. Previous Cultural Resource Investigations within 0.25 Mile of Project Site

Author(s)	Date	Title	Within Project Site Area?	Resources in Project area?
Stickel, Gary E.	1993	*Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project*	Yes	No
Avina, Mike	2001	*Monitoring Report for Xo California Builds-1920 Maple Avenue, El Segundo, California, and 4000 Macarthur Blvd, Newport Beach, California*	No	No
Bonner, Wayne H. and Kathleen A. Crawford	2007	*Cultural Resources Records Search And Site Visit Results for Royal Street Communications, LLC, Candidate La2640a (SCE El Nido), 1703 East Mariposa Avenue, El Segundo, Los Angeles County, California*	No	No
Bonner, Wayne H.	2007	*Direct APE Historic Architectural Assessment for Royal Street Communications, LLC Candidate LA2640A (SCE El Nido), 1703 East Mariposa Avenue, El Segundo, Los Angeles County, California*	No	No
Harper, Caprice D. and Francesca Smith	2008	*Preliminary Cultural Resources Survey for the Formation of the Wiseburn Unified School District Project, Cities of El Segundo and Hawthorne, and Unincorporated Los Angeles County, CA*	Yes	No
Metro	2011	*Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final Environmental Impact Statement*	Yes	No

Mitigation Measure CUL-1: Archaeological and Native American monitoring shall be conducted for any grading-related ground disturbing activity have the potential to disturb native soils (i.e., non-engineered fill) within the Project site. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983). If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the qualified archaeologist. Depending upon the nature of the find, if the discovery proves to be potentially significant under CEQA, as determined by the qualified archaeologist, additional work such as data recovery excavation, avoidance of the area of the find, documentation, testing, data recovery, reburial, archival review and/or transfer to the appropriate museum or educational institution, or other appropriate actions may be warranted at the discretion of the qualified archaeologist. The archaeologist shall complete a report of excavations and findings and submit the report to the Director of Planning and Building Safety. After the find is appropriately mitigated, work in the area may resume.

Timing/Implementation: *Applicant to submit evidence of a contracted qualified archaeologist to the City prior to issuance of building permits*

Monitoring/Enforcement: El Segundo Planning and Building Safety Department

5.c) No evidence of any prior human burials or use as a burial ground was identified in the Cultural Resources Assessment (see **Appendix C**) and Native American Consultation process conducted for this property. Based on the fully developed conditions on the site and the extent of disturbance on the entire property, the likelihood that Project

construction would encounter and impact any human remains is expected to be remote.

In the unlikely event that human remains are encountered during Project ground-disturbing activities, the remains shall be treated in accordance with California Health and Safety Code Section 7050.5, which states that no further disturbance shall occur until the County Coroner has made a determination of the origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the County Coroner shall be notified immediately. If the human remains are determined to be prehistoric, the coroner shall notify the Native American Heritage Commission (NAHC), which shall determine and notify the most likely descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Compliance with these regulations would reduce any potential impacts to a **less than significant** level.

6. ENERGY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary construction of energy resources, during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated December 21, 2020. This report, hereinafter referred to as the AQ-Energy-GHG Study, is included as **Appendix B** of this IS/MND.

Explanation of Checklist Responses

6.a) The proposed Project would impact energy resources during construction and operation. Energy resources that would be potentially impacted include electricity, natural gas, and petroleum-based fuel supplies and distribution systems.

Project Construction

The Project construction activities are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Based on these activities, the proposed Project would consume energy resources during construction in three (3) general forms:

1. Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project site, construction worker travel to and from the Project site, as well as delivery and haul truck trips (e.g. hauling of demolition material to off-site reuse and disposal facilities);
2. Electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power; and,
3. Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction-Related Electricity

During construction, the Project would consume electricity to construct the new structures and infrastructure. Electricity would be supplied to the Project site by Southern California Edison (SCE) and would be obtained from the existing electrical lines on the Project site. The use of electricity from existing power lines rather than temporary diesel

or gasoline powered generators would minimize impacts on energy use. Electricity consumed during Project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities include electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Overall, the Project construction would require limited electricity consumption that would not be expected to have an adverse impact on available electricity supplies and infrastructure. Therefore, the use of electricity during Project construction would not be considered wasteful, inefficient, or unnecessary.

Since SCE already provides power to the Project site, it is anticipated that only nominal improvements would be required to SCE distribution lines and equipment with development of the proposed project. Compliance with the ESMC and SCE requirements would ensure that the proposed Project fulfills its responsibilities relative to infrastructure installation, coordinates any electrical infrastructure removals or relocations, and limits any impacts associated with construction of the project. Construction of the Project's electrical infrastructure is not anticipated to adversely affect the electrical infrastructure serving the surrounding uses or utility system capacity. Impacts would be **less than significant** and no mitigation would be required.

Construction-Related Natural Gas

The Project construction would not involve the consumption of natural gas. Natural gas would not be supplied to support construction activities, thus there would be no demand generated by construction. Since SoCal Gas already provides natural gas to the Project site, construction-related activities would be limited to installation of new natural gas connections within the Project site. Similarly, the Project would not require extensive natural gas infrastructure improvements to serve the buildings. Construction-related energy usage impacts associated with the installation of natural gas connections are expected to be confined to trenching in order to place the lines below surface. In addition, prior to ground disturbance, the Project would notify and coordinate with SoCalGas to identify the locations and depth of all existing gas lines and avoid disruption of gas service. Therefore, construction-related impacts to natural gas supply and infrastructure would be **less than significant** and no mitigation would be required.

Construction-Related Petroleum Fuel Use

Petroleum-based fuel usage represents the highest amount of transportation energy potentially consumed during construction, which would utilized by both off-road equipment operating on the project site and on-road automobiles transporting workers to and from the project site and on-road trucks transporting equipment and supplies to the project site.

The off-road construction equipment fuel usage was calculated through use of the off-road equipment assumptions and fuel use assumptions provided by the applicant, which found that the off-road equipment utilized during Project construction would consume 43,106 gallons of fuel. The on-road construction trips fuel usage was

calculated through use of the construction vehicle trip assumptions and fuel use assumptions, which found that the on-road trips generated from Project construction, including truck haul trips to export soil cut an demolition debris, would consume 112,908 gallons of fuel. As such, the combined fuel used from off-road construction equipment and on-road construction trips for the proposed project would result in the consumption of 156,015 gallons of petroleum fuel. This equates to 0.0039 percent[10] of the gasoline and diesel consumed in the County of Los Angeles annually.

The Project construction activities would be required to adhere to all State and SCAQMD regulations for off-road equipment and on-road trucks, which provide minimum fuel efficiency standards. As such, construction activities would not result in the wasteful, inefficient, and unnecessary consumption of energy resources. Impacts regarding transportation energy would be less than significant. Development of the proposed project would not result in the need to manufacture construction materials or create new building material facilities specifically to supply the Project. While it is difficult to measure the energy used in the production of construction materials such as asphalt, steel, and concrete, it is reasonable to assume that the production of building materials such as concrete, steel, etc., would employ all reasonable energy conservation practices in the interest of minimizing the cost of doing business.

Operation of the Project would result in consumption of electricity for interior and exterior lighting, heating and cooling systems, a variety of electrical appliances and office machinery, electrical vehicle charging infrastructure, and for outdoor irrigation system controls. The Project electricity consumption during operations was calculated to be 598,220 kilowatt-hours per year of electricity. This equates to 0.0098 percent[11] of the electricity consumed annually in the County of Los Angeles.

It should be noted, the Project would be required to comply with all Federal, State, and City requirements related to the electricity consumption, including California Code of Regulations (CCR) Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed office buildings, including enhanced insulation, use of energy efficient lighting and appliances, water and space heating systems, as well as requiring a variety of other energy-efficiency measures to be incorporated into the proposed office structures. Therefore, it is anticipated the Project will be designed and built to maximize efficiency of electricity use and that existing and planned electricity capacity and electricity supplies would be sufficient to support the proposed project's electricity demand. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Thus, the Project would not result in the wasteful or inefficient use of electricity and impacts would be **less than significant**, with no required mitigation measures.

[10] According to the California Energy Commission's "2010-2017_A15_Results.xlsx", in 2017, 3,659 million gallons of gasoline and 300 million gallons of diesel was sold in Los Angeles County. Data accessed on January 3, 2021 at: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/).

[11] According to the California Energy Commission, in 2019, Los Angeles County consumed 66,118 Gigawatt-hours per year of electricity. Data accessed on January 3, 2021 at: http://www.ecdms.energy.ca.gov/elecbycounty.aspx,)

Operations-Related Natural Gas

Project operations would result in increased consumption of natural gas, which was calculated to be 3,435 MBTU per year of natural gas. This equates to 0.0011 percent[12] of the natural gas consumed annually in Los Angeles County.

As mentioned previously, the Project would be required to comply with all Federal, State, and City requirements, including those related to the natural gas consumption. These include CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into projects, including enhanced insulation as well as use of efficient natural gas appliances and HVAC units. Therefore, it is anticipated the Project will be designed and built to maximize efficiency of natural gas use and that existing and planned natural gas capacity and natural gas supplies would be sufficient to support the proposed Project's natural gas demand. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Thus, impacts with regard to wasteful or inefficient use of natural gas supply and infrastructure capacity would be **less than significant** and no mitigation measures would be required.

Therefore, the proposed Project, including the proposed zone text amendment, would not result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. Impacts would be **less than significant** and no mitigation would be required.

6.b) The proposed Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Although the City has not adopted any specific plans that address energy efficiency, the City adopted the *City of El Segundo Climate Action Plan* on December 2017, that has been prepared to help the City comply with the City's GHG emissions reduction goals through implementation of many measures that also result in energy conservation and efficiency. As noted in **Table 8-2** in Section 8 – Greenhouse Gas Emissions, the Project would be consistent with the City's CAP and with the applicable energy efficiency strategies set forth in the CAP. This would primarily entail project compliance with the building energy efficiency standards set forth in Title 24, Part 6 of the California Government Code, and compliance with the City's Municipal Code, Title 13, Chapter 11, Green Building Standards Code, requires all development projects, including this Project, to meet the California Green Building Standards Code (CalGreen) building requirements to implement various energy efficiency design features into the proposed office buildings. As such, the proposed Project would be designed to meet all applicable State building energy efficiency standards as well as to meet the City's energy efficiency standards. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, the Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts would be **less than significant** and no mitigation would be required.

[12] According to the California Energy Commission, in 2019, Los Angeles County consumed 3,048.32 million therms of natural gas. Data accessed online on January 3, 2021 at: http://www.ecdms.energy.ca.gov/gasbycounty.aspx.

7. GEOLOGY AND SOILS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Directly or indirectly cause substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☐	☒	☐
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit that is unstable, or that would become unstable as a result of the project, and potentially result in on-or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2004), creating substantial risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

This section is based, in part, on the Preliminary Geotechnical Investigation Report prepared by Stantec, dated June 27, 2020, which is included as **Appendix D** of this IS/MND.

Explanation of Checklist Responses

7.a.i) The Alquist-Priolo Earthquake Fault Zoning Act of 1972 serves to mitigate the hazard of surface faulting to structures for human occupancy, and is intended to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The Act requires the State Geologist to establish regulatory zones, known as Alquist-Priolo Earthquake Fault Zones, around the surface traces of active faults and to issue maps delineating these zones. If an active fault is found, a structure for human

occupancy cannot be placed over the trace of the fault and must be set back from the fault (typically 50 feet). The Act defines active faults as those that have experienced surface displacement or movement during the last 11,000 years.

The Project site is located at 650-700 N Pacific Coast Highway, in a seismically active region in Southern California near several fault systems. According to the Department of Conservation, the Project site is not affected by a State-designated Alquist-Priolo Earthquake Fault Zone.[13] Mapped fault zones closest to the Project vicinity include the Newport-Inglewood, Palos Verdes, Puente Hills (LA), and Santa Monica Faults, located 3.5, 4.9, 8.1, and 8.8 miles, respectively, from the Project site. The geotechnical report did not identify any traces of faults on or near the Project site, and the site does not lie within the boundaries of a known Earthquake Fault Zone. The Project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death, involving rupture of a known earthquake fault. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Because there are no known faults on or near the Project site, the Project would be expected to result in **no impact**.

7.a.ii) Ground shaking is the primary cause of structural damage during an earthquake. Magnitude, duration, and vibration frequency from earthquakes would vary greatly, depending on the fault and its distance from the Project site.

As mentioned above, the nearest known active faults are the Newport-Inglewood, Palos Verdes, Puente Hills (LA), and Santa Monica Faults, located 3.5, 4.9, 8.1, and 8.8 miles from the Project site, with anticipated maximum moment magnitudes (Mw) of 7.5, 7.7, 7.0, and 7.4, respectively. Seismic activity along these faults or on any other of the numerous faults in the Southern California area would cause seismic ground shaking in El Segundo and consequently is considered during project design.

General types of ground failures that might occur as a consequence of severe ground shaking include landsliding, ground lurching, and shallow ground rupture. The probability of occurrence for these types of failures depends on the severity of the earthquake, distance from faults, topography, subsoils, and groundwater conditions. Current geotechnical analysis of the project site indicates none of these effects would be considered likely to occur. The potential for dynamic settlement resulting from severe earthquake shaking along the proposed fill slopes is present and is estimated to be on the order of 1.72 inches. The potential for ground rupture is remote and is not considered to be a hazard for this project.

The Project would be required to conduct a final geotechnical investigation and be designed in accordance with the California Building Standards Code (CBSC) and ESMC standards through the City's plan review and permitting process, which would reduce the effects of seismic ground shaking. As a result, the effects of ground shaking would be expected to be **less than significant** for the Project and no mitigation would be required.

[13] California Department of Conservation. *EQ Zapp: California Earthquake Hazards Zone Application*.

7.a.iii) Liquefaction is the transformation of a deposit of soil from a solid state to a liquefied state, typically during prolonged ground shaking events such as earthquakes, and the soil acquires mobility sufficient to permit both horizontal and vertical movements. According to the Project's preliminary geotechnical investigation, the Project site is not located in a California Geological Survey Liquefaction Hazard Zone, which is defined as areas where historical occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacement. Based on groundwater data collected at an off-site location approximately 250 feet north of the Project site, groundwater is expected to be encountered at a depth of approximately 121 below the ground surface. Given this depth to groundwater, the site is not subject to liquefaction induced settlement. Additionally, as the Project would be required to be designed in accordance with CBSC and ESMC standards, the Project would be expected to result in a **less than significant** impacts to liquefaction hazards and no mitigation would be required.

7.a.iv) The Project site is characterized by relatively flat topography. No unusual geographic features exist on the site or in its vicinity; thus, the site does not have the potential to slide or to experience sliding from adjacent areas. According to the California Department of Conservation, the Project site is not located in a landslide hazard area. Therefore, project implementation would not expose people or structures to landslides.[14] Thus, **no impact** would occur.

7.b) Construction of the Project involves ground-disturbance activities such as site preparation, asphalt removal, grading, excavation and trenching for foundations and utilities, and the erection of a new structure, Building C. Unstable soil conditions could develop if exposed soils are exposed to rain and wind erosion, or construction traffic.

However, the Project would be subject to the requirements of a municipal National Pollutant Discharge Elimination System (NPDES) Permit (implemented through a Standard Urban Stormwater Mitigation Plan [SUSMP]) and the City's Municipal Code. Both the Municipal Code and the SUSMP require application of erosion and sedimentation control best management practices (BMPs) during construction for proper water quality management. Erosion control BMPs are designed to prevent erosion, whereas sediment controls are designed to trap sediment once it has been mobilized. Further, the Project applicant is required to comply with South Coast Air Quality Management District (SCAQMD) Rule 403, which would reduce the potential for wind erosion by requiring the implementation of dust control measures during construction.

Compliance with these requirements would prevent significant soil erosion during construction. During operations, the majority of the fully developed site would be covered by impervious surfaces such as pavement and buildings, which would prevent any soil erosion following construction. Unpaved areas would be landscaped, which would also prevent soil erosion. In summary, Project-related impacts involving soil erosion and loss of topsoil would be **less than significant** and no mitigation would be required**.**

[14] California Department of Conservation. *EQ Zapp: California Earthquake Hazards Zone Application*.

7.c) The Project site has a relatively flat topography, with no hillsides on-site or in the surrounding area. Further, the Project site is not located on a cliff, mountainside, bluff, or other geographic feature with stability concerns. As described above in checklist response 7.a, the site is not susceptible to liquefaction, landslide, subsidence, or collapse. Grading and structural design of the proposed improvements would apply the recommendations of the final geotechnical report and the applicable standards of the California Building Code to ensure that the proposed building foundation provides a stable footing for the proposed new building. The Project is expected to result in **less than significant impacts** related to unstable geologic units or soils, thus no mitigation would be required.

7.d) Based on the preliminary geotechnical report prepared for the Project (**Appendix D**), near-surface soils, in the upper approximately 10 feet, have a low potential to be expansive. The samples tested were granular with low-plasticity fines. Therefore, the Proposed Project's impacts related to expansive soils would be **less than significant**.

7.e) No septic tanks or alternative wastewater disposal systems are proposed as part of the Project. Since the Project site is currently developed, sewer and wastewater infrastructure are currently in place. Furthermore, the site is connected to the public sewer system in the City. Therefore, **no impact** would occur with regard to sewers or alternative wastewater disposal systems.

7.f) The Project site does not contain any unique geological feature or formation. As discussed previously, the entire Project property has been highly disturbed with prior agricultural uses and subsequently developed with the current buildings and parking lot. As shown in the Project Geotechnical Report (**Appendix D**) subsurface boring has indicated that the Project site sediments consist of artificial fill and asphalt within the top layer of soil (approximately 1 foot), followed by underlying old eolian deposits (Qoe). Based on prior paleontological investigations performed for the Crenshaw Transit Corridor Project and LAX Master Plan Final EIS/EIR, which include the Project area, sensitive paleontological resources were identified in the Project vicinity. While the renovation activities on Building A and Building B do not involve substantial earthwork, the construction of Building C would require excavations exceeding 1 foot during the foundation work. As a result, the Project has the potential to disturb unknown paleontological resources. The following Mitigation Measure PALEO-1 will be implemented such that in the event of any discovery of unknown paleontological resources during earthwork, impacts would be **less than significant**.

> **Mitigation Measure Paleo-1:** Prior to the issuance of any grading permits, the applicant shall retain a qualified paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology (SVP) to develop a Worker Environmental Awareness Program (WEAP), which shall be in compliance with SVP guidelines. The paleontologist shall present the training to all construction staff to provide them with a basic understanding of the types of fossils that may be encountered and the laws protecting them, and the procedures to follow in the event the finds are encountered. In the event that paleontological resources are encountered during earth disturbance activities, all construction activities in the area of the find shall be temporarily halted and the paleontologist shall be notified to evaluate the find and determine the appropriate treatment in accordance with SVP guidelines for identification, evaluation, disclosure, avoidance, or recovery, and curation, as appropriate.

Timing/Implementation: *Applicant to submit evidence of a contracted qualified paleontologist to the City prior to issuance of building permits. WEAP training shall be administered prior to the start of earthwork activities and shall be administered to any new construction workers involved in excavation efforts associated with the Project.*

Monitoring/Enforcement: El Segundo Planning and Building Safety Department

8. GREENHOUSE GAS EMISSIONS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

The following analysis is based in part on the information contained in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis* prepared by Vista Environmental dated December 21, 2020. This report, hereinafter referred to as the AQ-Energy-GHG Study, is included as **Appendix B** of this IS/MND.

Explanation of Checklist Responses

8.a) CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of non-significance for GHG emissions if a project complies with a program and/or other regulatory schemes to reduce GHG emissions. The City adopted the *City of El Segundo Climate Action Plan* (El Segundo CAP) in 2017 to help implement compliance with the City's GHG emissions reduction goals as well as State and federal regulations that include Assembly Bill (AB) 32 (Chapter 488, Statutes of 2006), Senate Bill (SB) 32 (Chapter 249, Statutes of 2016), and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP was prepared in accordance with Section 15183.5(b) of the State CEQA Guidelines for qualified plans to support tiering for project level analyses, and states "Within the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan."

While quantification of the proposed Project's GHG emissions are not required to show consistency with the CAP, the Project's GHG emissions have been calculated with the CalEEMod model, for informational purposes. A summary of the results is shown below in **Table 8-1**.

Table 8-1. Project Related Greenhouse Gas Annual Emissions

	Greenhouse Gas Emissions (Metric Tons per Year)			
Category	**CO_2**	**CH_4**	**N_2O**	**CO_2e**
Area Sources[1]	0.04	<0.00	<0.00	0.04
Energy Usage[2]	2,238.14	0.09	0.02	2,246.58
Mobile Sources[3]	2,866.53	0.14	<0.00	2,870.15
Solid Waste[4]	31.15	1.84	<0.00	77.17
Water and Wastewater[5]	340.56	1.63	0.04	393.39
Construction[6]	52.44	<0.00	<0.00	52.55
Total GHG Emissions	**5,528.86**	**3.70**	**0.06**	**5,639.89**

Notes:
[1] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consists of GHG emissions from electricity and natural gas usage.
[3] Mobile sources consist of GHG emissions from vehicles.
[4] Waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[5] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[6] Construction emissions amortized over 30 years as recommended in the SCAQMD GHG Working Group on November 19, 2009.
Source: CalEEMod Version 2016.3.2.

The data provided in **Table 8-1** shows that the Project would generate 5,639.89 $MTCO2_e$ per year of GHGs, which includes the 30-year amortized construction emissions. It should be noted that **Table 8-1** is based on current emission rates from area sources, energy usage, solid waste, water and wastewater sources. State regulations, including SB 100 (Chapter 312, Statutes of 2018) that requires 100 percent of retail sales of electricity to be generated from zero-carbon emissions sources by 2045, along with other regulations aimed at GHG reduction from other sources, will result in further reducing these emissions sources. In addition, the transportation sources only incorporate previously adopted state regulations and do not account for recent state regulations, including the anticipated reductions from Executive Order N-79-20 that requires 100 percent of new passenger vehicles sold in California to be zero-emissions by 2035. The Project's consistency with the El Segundo CAP is provided in **Table 8-2,** below. In summary, proposed Project would not generate substantial levels of GHG emissions, either directly or indirectly, that may have a significant impact on the environment. Project impacts would be **less than significant** and no mitigation measure would be required.

8.b) The applicable plan for the Project would be the El Segundo CAP, which was developed in cooperation with the South Bay Cities Council of Governments, and serves as a guide for action by setting GHG emission reduction goals and establishing strategies and policies across various sectors to achieve desired outcomes into the future. The strategies are community-wide, and focus on lowering GHG emission s from a range of sources including transportation, land use, energy generation and consumption, water, and waste. The Project's consistency with applicable GHG emissions reduction strategies in the El Segundo CAP is provided in **Table 8-2**.

Table 8-2. Consistency with the El Segundo CAP

Sub-Strategies	**Project Consistency**
Goal LUT: A – Accelerate the Market for EV Vehicles	
LUT: A1 EV Parking Policies	**Not Applicable**. This Strategy requires the City to consider to allow reduction of parking spaces in exchange for EV or NEWV parking. The Project applicant is not requesting a reduction in parking spaces. Nevertheless, the Project is proposing 72 electric vehicle spaces.
LUT: A2.4 Adopt charging standards beyond CalGreen 2016 requirements.	**Does not conflict**. This action is applicable to the City to implement. However, the Project is required to meet CalGreen 2016 requirements for on-site electric vehicle charging infrastructure.

Sub-Strategies	Project Consistency
LUT: A2.5 Create policies that encourage facility owners to provide level 1 charging.	**Not Applicable**. This action is applicable to the City to implement. However, the Project will include designated EV parking.
Goal LUT: B – Encourage Ride-Sharing	
LUT: B1 Facilitate Private and Public Mobility Services (Ride-Hailing, Ride-Sharing, Car-Sharing, Bike-Sharing)	**Not Applicable**. This policy is only applicable to the City to work with private and public services to provide different types of mobility services for sharing.
LUT: B1.1 Facilitate bike-sharing.	**Does not conflict.** This policy is only applicable to the City to implement. However, the Project provides both short-term and long-term bike parking.
LUT: B1.2 Facilitate car-sharing.	**Does not conflict.** This policy is only applicable to the City to implement. However, the Project is over parked and the extra parking spaces could be used for a car-sharing use in the future.
LUT: B1.3 Facilitating ride-hailing and ride-sharing.	**Does not conflict**. This policy is only applicable to the City to implement. However, the Project is over parked and the extra parking spaces could be used for ride-hailing and ride-sharing uses in the future.
Goal LUT: D – Adopt Active Transportation Initiatives	
LUT: D1 Provide Traffic Calming Measures	**Consistent.** The Project meets the City's strategies to provide traffic calming measures with proposed increased landscaping along the Project frontage and encouraging pedestrian and bicycle uses.
LUT: D1.2 Use traffic calming measures on streets where feasible.	**Consistent.** The Project meets the City's requirements to provide traffic calming measures on the Project site with increased landscaping along the Project frontage and encouraging pedestrian and bicycle uses.
LUT: D2 Provide Pedestrian/Bicycle Networks Improvements	**Consistent.** The Project provides an on-site pedestrian and bicycle circulation system and associated amenities.
LUT: D3 Improve Design of Development.	**Consistent.** The Project improves design development by providing pedestrian and bicycle amenities and bicycle parking.
LUT: D3.2 Require bicycle parking through the Zoning Code or other implementation documents.	**Does not conflict**. This policy is only applicable to the City to implement. However, the Project does provide both short-term and long-term bicycle parking.
LUT: D3.3 Require new developments to provide pedestrian, bicycle, and transit amenities.	**Consistent.** The Project would provide pedestrian and bicycle amenities.
LUT: D3.5 Require commercial and multi-family residential projects to provide permanent bicycle parking facilities.	**Consistent.** The Project would provide permanent (long-term) bicycle parking locations.
LUT: D3.6 Provide short and long-term bicycle parking near key areas.	**Consistent.** The Project would provide both short and long-term bicycle parking on the Project site.
LUT: D3.12 Construct or improve pedestrian infrastructure around transit.	**Not Applicable**. This policy is only applicable to the City to implement. However, the Project would provide an on-site pedestrian circulation system.
Goal LUT: E – Parking Strategies	

Sub-Strategies	Project Consistency
LUT: E2.2 Encourage developers of new development to unbundle parking and eliminate the assignment of specific stalls.	**Consistent.** The Project parking structure would not assign specific stalls other than for electric and clean air vehicle spaces within the public parking areas.
Goal EE: D – Increase Energy Efficiency in New Commercial Developments	
EE: D Encourage or Require EE Standards Exceeding Title 24	**Consistent.** The Project will be designed to meet or exceed existing Title 24 requirements.
Goal EE: E – Increase Energy Efficiency through Increased Water Efficiency (WE)	
EE: E1 Promote or Require Water Efficiency Through SB X7-7.	**Not Applicable**. This policy is only applicable to the City to implement. However, the Project is required to meet California Green Building Standards Title 24 Part 11 related to water efficiency.
EE: E1.3 Require low-irrigation landscaping.	**Consistent.** The proposed project will provide low-water demand irrigation landscaping.
Goal EE: F – Decrease Energy Demand through Reducing Urban Heat Island Effect	
EE: F1 Promote Tree Planting for Shading and EE	**Consistent.** The Project provides a landscape plan with over 75 trees of varying species, including specimen size coast live oaks that will provide shading.
EE: F1.1 Encourage tree planting at plan check.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide a landscape plan with a variety of new trees.
Goal EE: G – Participate in Education, Outreach and Planning for Energy Efficiency	
No Sub-Strategies provided for this Goal, which does not apply to developers of private commercial land uses.	
Goal EE: H – Increase Energy Efficiency in Municipal Buildings	
No Sub-Strategies provided for this Goal, which does not apply to private development projects.	
Goal EE: I – Increase Energy Efficiency in City Infrastructure	
No Sub-Strategies provided for this Goal, which does not apply to private development projects.	

Source: City of El Segundo Climate Action Plan, 2017.

As shown in Table 8-2, the proposed Project would generally be consistent with applicable strategies identified in the El Segundo CAP. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, implementation of the Project would not impede attainment of the GHG reduction objectives in the CAP and would not result in cumulatively considerable environmental impacts associated with its GHG emissions. Project impacts would be **less than significant** and no mitigation measures are required.

9. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☒	☐	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

Responses to the following questions include information from site investigations and assessments of prior land use activities regarding potential environmental contaminants in the Phase I and Phase II Environmental Site Assessments (ESAs) prepared by AEI Consultants, Partner Engineering and Science, Inc., and Ramboll Environ US Corp. The investigation reports are included in this Initial Study as **Appendix E**, and were conducted on all parcels comprising the Project site area. The Phase I ESAs were conducted to identify potential presence of recognized environmental conditions (RECs) or historical recognized environmental conditions (HRECs) through review of historical property information and regulatory files and databases, and conducting interviews with property representatives and site reconnaissance, in general conformance with ASTM Practice E127-13 Standard Practice for Environmental Site Assessments.

Explanation of Checklist Responses

9.a) The proposed Project would provide office building uses that would involve the use of equipment and materials that are standard in general office uses, parking uses, and for

landscaping. Small amounts of commercially available hazardous materials may be used for regular cleaning and maintenance activities which would neither require the storage, use, or disposal of substantial amounts of hazardous materials, nor generate significant quantities of hazardous waste. This usage would not require the storage, use, transport, or disposal of quantities of hazardous substances that would be subject to any special handling or permitting requirements. Therefore, this Project's normal operations would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Impacts in this regard would be **less than significant** and no mitigation measures are required**.**

9.b) The Project site was developed for agricultural use from at least 1928, and then was left undeveloped from at least 1947 until 1953. The existing site improvements began with the construction of the building at 700 North Pacific Coast Highway (Building B) in 1955, followed by the construction of Building A at 650 North Pacific Coast Highway in 1962. Tenants in these buildings have included several aerospace companies, pharmaceutical companies, and a computer hardware manufacturer. Based on the age of the buildings, the prior uses, and proposed construction activities, the Project has the potential to result in accidental releases of hazardous substances, which are addressed in the following subsections.

1) Recognized Environmental Conditions (RECs):

The Phase I and Phase II investigations identified several RECs on the Project site:

Underground storage tanks (USTs) at 700 Pacific Coast Highway (Building B): Eight 1,000-gallon USTs were in operation from 1958 until 1985. The USTs were constructed of concrete and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents associated with the manufacturing of lighter fluid and pharmaceuticals. The exact location of the USTs was not identified. However, according to historical sources, the USTs appear to have been likely located in the northeast portion of the property. A building permit for removal of the USTs was identified, dated May 21, 1982 to remove the tanks and fill and compact the void. Although the USTs were scheduled to be removed and backfilled with sand, based on the results of the previous Phase II (Ramboll 2016), where borings included concrete and asphalt, the concrete USTs may have been closed in place and/or remnants of the concrete remain.

As part of the Phase II (**Appendix E**), soil vapor sampling was performed in the suspected location of the former USTs (northeastern portion of the site). The soil vapor samples were collected at depths ranging from 10.5 to 12 feet below ground surface; as such shallow soil vapor conditions do not appear to have been assessed. Due to soil conditions, the ground penetrating radar (GPR) penetration was 3 feet or less, while the closed USTs may have been installed at greater depths that exceed 5 feet. Analytical results at the time of the Phase II revealed concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor below the environmental screening levels (ESLs)[15] in

[15] Environmental Screening Levels (ESLs) were developed by the San Francisco Bay Regional Water Quality Board (Water Board) to provide conservative screening levels for over 100 chemicals found at sites with contaminated soil and groundwater. They are intended to help expedite the identification and evaluation of potential environmental

effect at the time. However, because the ESLs have changed in California since 2016, soil vapor concentrations detected at the time of the previous sampling are now above the current 2019 commercial/ industrial ESLs for benzene and ethylbenzene. The detected concentrations of benzene and ethylbenzene above the current commercial/industrial ESLs represents a REC.

The samples were also evaluated for indoor air cancer risk for residential land use, based on USEPA Regional Screening Levels (RSLs) and Department of Toxic Control Substances (DTSC) modified screening levels (SLs) for total petroleum hydrocarbons and metals. None of the evaluated soil gas concentrations would result in a DTSC indoor air cancer risk greater than 1 x 10-6 for carcinogenic compounds

. Because the use of DTSC indoor air screening levels for residential land uses represents a conservative approach for the Project (as a nonresidential use), Ramboll concluded that the level of hazard from potential indoor soil gas concentrations was less than significant (**Appendix E**). The only compound detected in the soil samples that exceeded its respective USEPA RSL was arsenic, which was determined to be naturally occurring at the site due to the fact that the levels detected in soil samples were within the typical background ranges of naturally occurring arsenic in Southern California. (**Appendix E**)

Potential UST at 650 N Pacific Coast Highway (Building A): Hughes Aircraft Co SCG at the address 690 N Sepulveda Boulevard was listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The 690 N Sepulveda Boulevard has been historically associated with the building at 650 N Pacific Coast Highway (Building A), and as such, this listing may pertain to a UST associated with Building A. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. No information regarding the number of USTs, content, capacity or status is available in this database. This listing is also associated with a permit associated with the Los Angeles County Department of Public Works (LACDPW)(Facility Id: 010427-010342). AEI contacted the LACDPW for additional information regarding this UST listing, however, a response is pending. It is unclear if this UST listing is associated with the former USTs located at 700 N Sepulveda Boulevard. The lack of information on this UST is considered a data gap. The potential presence of a UST associated with the Building A and the lack of supporting documentation represents a REC. (**Appendix E**)

Concrete Clarifier at 700 Pacific Coast Highway (Building B): A concrete clarifier was operated from at least 1966 until at least 1985, and was used for the manufacturing of pharmaceuticals. Six samples of clarifier sludge submitted by Hughes Aircraft Space and Communications were analyzed on October 16, 1985 and were found to contain high levels (up to concentrations of up to 2,000 micrograms per liter (µg/L)) of tetrachloroethylene. AEI identified correspondence from the County of Los Angeles, Department of Public Works indicating that the clarifier was filled in place on October 29, 1985. Based on a review of historical permits, the clarifier was identified to be located in the "rear end of building - 700 N. Sepulveda". Based on

concerns at contaminated sites. ESLs address a range of media (soil, groundwater, soil gas, and indoor air) and a range of concerns (e.g., impacts to drinking water, vapor intrusion, and impacts to aquatic habitat).

the lack of more specific location identification, the lack of testing of the clarifier during prior investigations, and the levels of tetrachloroethylene identified in the clarifier sludge samples, the former clarifier was identified as a REC. (**Appendix E**)

Should construction occur in an area where a UST or clarifier was/is located or contaminated soils are found, this could result in an upset or accident condition, resulting in a release of hazardous materials. As described in the Project Geotechnical Report (**Appendix D**), groundwater is at a depth of approximately 121 feet below ground surface and is not expected to be encountered during construction activities. Impacts related to the previous USTs and clarifier are potentially significant. However, with implementation of Mitigation Measure HAZ-1 and HAZ-2, construction impacts associated with potential upset and accident conditions would be less than significant.

2) Lead-Based Paint (LBP) and Asbestos-Containing Materials (ACMs):

Due to the age of the existing buildings, there is a potential that LBP and ACMs are present. During the site reconnaissance performed during the Phase I ESAs (**Appendix E**), damaged painted surfaces were observed throughout the interior and exterior of Buildings A and B. The California Department of Public Health enforces lead laws and regulations related to the prevention of lead poisoning, accreditation and training for construction-related activities, lead exposure and screening, disclosures, and limitations on the amount of lead in products.

The Project would be required to comply with SCAQMD Rule 1403, Asbestos Emissions from Demolition/Renovation Activities, which addresses asbestos emissions from demolition and renovation activities and requires the safe handling of known or suspected ACM. The purpose of SCAQMD Rule 1403 is to specify work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of ACM. The requirements for demolition and renovation activities include asbestos surveying (in accordance with the EPA NESHAP 40 CFR Part 61); notification; ACM removal procedures and time schedules; ACM-handling and clean-up procedures; and storage, disposal, and landfilling requirements for asbestos-containing waste materials.

Demolition and disposal of these materials without proper abatement could cause an upset or accident condition. Proper identification, delineation, and abatement of potentially hazardous materials would prevent potential exposure of hazardous materials to the public or the environment during transportation and disposal of potentially contaminated media. Impacts related to LBP and ACM are potentially significant. With implementation of Mitigation Measure HAZ-2, construction impacts associated with potential upset and accident conditions would be less than significant.

3) Adjacent Properties:

The Project Phase I ESAs included review of adjacent properties, and identified that the Equinix Operating Center, located east of the Project site, contains three 12,000-gallon USTs, used for leaded and unleaded fuel. Then, Hughes Aircraft, located east of the Project site previously contained leaking underground storage tanks (LUSTs),

but this case is identified by the LUST database as closed. Several other adjacent properties have permits regarding structures or uses of environmental concern, but no current issues concerning the release of hazardous materials into the environment are noted on properties adjacent to the Project site.

4) Project Construction:

Construction activities may also include refueling and minor maintenance of construction equipment on-site, which could lead to minor fuel and oil spills. As described in checklist response 10.a, a variety of construction control measures would be incorporated, including preconstruction development controls, sedimentation, storm drain, and landscaping, and irrigation controls to prevent conditions that would release hazardous materials into the environment.

In summary, while the Project has the potential to result in accidental releases of hazardous substances due to the historically used USTs and clarifier associated with previous tenants, and the potential presence of LBP and ACM, with implementation of **Mitigation Measures HAZ-1** and **HAZ-2**, impacts would be **less than significant**.

Mitigation Measure HAZ-1: The applicant shall conduct additional investigation and potential remediation actions associated with the previous USTs and clarifier uses. As identified in the Phase I ESA (**Appendix E**), the following investigations will be conducted to identify and confirm the location of the eight 1,000-gallon USTs and clarifier at 700 Pacific Coast Highway and the potential UST at 650 Pacific Coast Highway (associated with 690 North Sepulveda Boulevard).

- Eight 1,000-gallon USTs at 700 Pacific Coast Highway: A geophysical survey and Phase II subsurface investigation shall be conducted to identify the location of the former USTs and to sample at the depth of the UST to determine the concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, and metals). In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local Certified Unified Program Agency [CUPA]), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor barrier adequate to protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities. Based on information provided by the CUPA, if passive or active systems are utilized to prevent vapor migration, a Land Use Covenant would be required, and recorded, and an Operation and Maintenance (O&M) Plan would be developed for the systems.

- Clarifier at 700 Pacific Coast Highway: A geophysical survey and Phase II subsurface investigation shall be conducted to identify the location of the former clarifier and to sample adjacent soils to determine the extent, if any, of prior release of tetrachloroethylene. In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local CUPA), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor barrier adequate to

protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities.

- Potential UST at 650 North Pacific Coast Highway: The applicant shall conduct review of pending agency records for the UST listed at 690 North Sepulveda Boulevard to determine whether a UST is located on the Project site. In the event the documentation indicates that a UST has the potential to be present, the applicant shall conduct a geophysical survey and Phase II subsurface investigation to identify the location of the former UST and to sample at the depth of the UST to determine whether any concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, and metals) are present in surround soils. In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local CUPA), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor barrier adequate to protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities.

Timing/Implementation: *Applicant to provide evidence of the presence/absence of a UST at 650 N Pacific Coast Highway, and submit the results of the geophysical surveys and Phase II Investigations and incorporate applicable treatment procedures in the final design plans to the City prior to issuance of grading and/or building permits.*

Monitoring/Enforcement: *El Segundo Planning and Building Safety Department and El Segundo Fire Department (local CUPA)*

Mitigation Measure HAZ-2: Prior to commencement of renovation activities on Buildings A and B, a hazardous building materials survey shall be conducted on both buildings to identify asbestos, lead-based paint, and other potentially hazardous building materials (such as mercury thermometers, lighting and electrical appurtenances). Following results of the hazardous materials survey, renovation plans and contract specifications shall incorporate abatement procedures for the removal of materials containing asbestos and lead. All abatement work shall be done in accordance with federal, state, and local regulations, including those of the U.S. EPA, Occupational Safety and Health Administration, California Occupational Safety and Health Administration, and the SCAQMD.

Timing/Implementation: *Applicant to submit a Hazardous Building Materials Survey Report, provide proper notification to SCAQMD of demolition and abatement activities in accordance with SCAQMD Rule 1403 , and incorporate applicable abatement procedures in the final design plans to the City prior to issuance of building permits.*

Monitoring/Enforcement: *El Segundo Planning and Building Safety Department and El Segundo Fire Department (local CUPA)*

9.c) The nearest school is St. John's Lutheran Preschool, which is approximately 1,039 feet (0.2 mile) northwest of the Project location. As discussed above under 9.b, several RECs have been identified on the Project site that are associated with previous tenant uses of the property. Additionally, due to the age of the buildings there is the potential that LBP and ACMs are present. While these conditions are associated with the prior uses of the property, they may require clean-up and remediation efforts the during the Project construction period. The potential treatment efforts would be temporary and limited to the Project site premises and therefore the risk of release and exposure is remote. With implementation of proper handling practices associated with **Mitigation Measures HAZ-1 and HAZ-2**, any related impacts on nearby schools would be **less than significant**.

During operations, the indoor and outdoor activities associated with the proposed office use would not generate hazardous air emissions or handle hazardous or acutely hazardous materials, substances, or waste.

In summary, with implementation of **Mitigation Measures HAZ-1 and HAZ-2**, the proposed Project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Impacts in this regard are **less than significant**.

9.d) The Phase I ESA (**Appendix E**) included a search of the DTSC EnviroStor database and a search of the State Water Resources Control Board (SWRCB) leaking underground storage tank database, and found 26 sites involving current or past site contamination and government agency oversight thereof within 1 mile of the Project site (**Appendix E**). The Project site is not recorded on either database; however, DTSC has maintained records of the previous disposal of multiple waste streams associated with previous building occupants.

The Project site is identified in the CA DTSC Envirostor database as a "historical" site and in the SEMS-ARCHIVE database as an archived site. These listings are not associated with a release case and do not identify the Project site has having a potential for a significant hazard to the public or the environment Instead, they pertain to questionnaires and assessments of the property to determine if waste streams generated at the property were considered a significant threat to the environment. As a result, the Project, including the proposed zoning text amendment, would result in **no impact**.

9.e) Los Angeles International Airport (LAX) is the closest public airport, located approximately 0.5 miles north of the Project site. In compliance with legislative requirements, the Los Angeles County Airport Land Use Commission (ALUC) prepared the Los Angeles County Airport Land Use Plan (ALUP), revised on December 1, 2004. The ALUP provides for the orderly expansion of Los Angeles County's public use airports and the areas surrounding them. It is also intended to provide for the adoption of land use measures that minimize the public's exposure to excessive noise and safety hazards. In formulating the ALUP, the Los Angeles County ALUC established provisions for safety, noise insulation, and the regulation of building height in areas adjacent to each of the county's public airports. The Project site is not located within the LAX noise contour or airport influence area, which the ALUP. Defines as an area where current or future airport-related noise, over flight, safety, and/or airspace protection factors may significant affect land uses or necessitate restrictions on those uses.

Further, the Project would comply with ALUP Policy S-7, which designates height restriction standards and procedures set forth in the Federal Aviation Regulations (FAR) Part 77, and establishes standards and notification requirements for objects affecting navigable airspace. Airspace obstructions include buildings, antennas, trees, and other structures. The Project proposes to renovate an existing eight-story building and construct a seven-story office building. While the new office Building C will have lower elevations than the existing Building A, based on the FAA notification requirement that applies to any new structure that breaks a 20:1 imaginary surface of up to 4,000 feet from the nearest runway the Project provide the required FAA notification at least 45 days prior to construction, in accordance with CFR Title 14 Part 77.19. In summary, the Project, including the proposed zoning text amendment, would result in ***no impact****.*

9.f) The El Segundo Standardized Emergency Management System (SEMS) Emergency Operations Plan (EOP) addresses the City's planned response to extraordinary emergency situations and incorporates the Emergency Operations Center (EOC), phone systems, and other infrastructure changes that occurred since the first edition of the plan was created. The objective of the EOP is to centralize coordination of all necessary personnel and facilities of the City into an organization capable of responding to any emergency. The EOP addresses the four fundamental elements of comprehensive emergency management: Mitigation; Preparedness; Response; and Recovery. The proposed Project would have no impact on the City's EOP.

During construction**,** Pacific Coast Highway would remain open and existing driveways entering and exiting the property would remain accessible to emergency vehicles. The Project would be required to obtain approval from the El Segundo Fire Department (ESFD) to verify that the Project complies with all applicable Fire Code requirements, which would ensure that adequate emergency vehicle access would be provided. During long-term operation, adequate access for emergency vehicles to connected roadways (North Pacific Coast Highway and East Maple Avenue) adjacent to the Project site would be available via the proposed and existing driveways. Thus, the Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts in this regard are **less than significant.**

9.g) Since the previously developed Project site is located in a highly urbanized area where there are no wildlands, development of the proposed Project would not expose buildings or people to wildland fire hazards. Thus, **no impact** would occur.

10. HYDROLOGY AND WATER QUALITY

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i) Result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or off-site;	☐	☐	☐	☒
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) Impede or redirect flood flows?	☐	☐	☐	☒
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Explanation of Checklist Responses

10.a, c) The Project site has been fully developed, including the existing Building A, Building B, and the paved parking lot. The Project includes the new construction of Building C, as well as a landscaped outdoor plaza area. The Project would be required to prepare a grading and drainage plan to allow for proper stormwater drainage, and the Project will include development techniques, such as use of landscaping vegetative cover and pervious ground cover, such as pea gravel and mulches to encourage infiltration and reduce runoff.

Section 402 of the federal Clean Water Act requires National Pollutant Discharge Elimination System (NPDES) permits for stormwater discharges from storm drain systems

to waters of the United States.[16] The City of El Segundo is a co-permittee of the Los Angeles County storm drain system permit or "municipal permit" (Order No. R4-2012-0175-A01; NPDES No. CAS004001), which was adopted November 8, 2012, and amended June 16, 2015, by the State Water Resources Control Board (WQ2015-0075).

The proposed Project would be subject to the requirements of the Municipal NPDES Permit and the City's Municipal Code, which incorporates by reference the County of Los Angeles Low Impact Development (LID) Ordinance (Ordinance Number 2013-0044).[17] The Municipal Code requires application of erosion and sedimentation control BMPs during construction for proper water quality management. Erosion control BMPs are designed to prevent erosion, whereas sediment controls are designed to trap sediment once it has been mobilized. BMPs must be designed to prevent erosion and construction pollutants from entering the City's storm drain and receiving waters. As part of its normal project approval and construction oversight activities, the City of El Segundo monitors compliance with stormwater BMP requirements.

The Los Angeles County Municipal Permit also requires that stormwater pollution prevention plans (SWPPPs) be prepared for all construction projects with disturbed areas of 1 acre or greater. The statewide NPDES Construction General permit maintained by the State Water Resources Control Board also requires a SWPPP for construction projects that involve 1 or more acres of land disturbance. The SWPPP is required to outline the best management practices that would be incorporated during construction.[18] These BMPs would minimize construction-induced water pollutants by controlling erosion and sediment, establishing waste handling/disposal requirements, and providing non-stormwater management procedures.

Further, the Los Angeles Regional Water Quality Control Board (LARWQCB) prepares and maintains a basin plan which identifies narrative and numerical water quality objectives to protect all beneficial uses of the waters of that region. The basin plan strives to achieve the identified water quality objectives through implementation of Waste Discharge Requirements (WDRs) and by employing three strategies for addressing water quality issues: control of point source pollutants, control of nonpoint source pollutants, and remediation of existing contamination. The Project site is located in the Los Angeles region and is, therefore, covered under the Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan).

Point sources of pollutants are well-defined locations at which pollutants flow into water bodies (discharges from wastewater treatment plants and industrial sources, for example). These sources are controlled through regulatory systems including permitting under California's WDRs and the NPDES program; permits are issued by the appropriate RWQCB and may set discharge limitations or other discharge provisions. According to the Basin Plan, nonpoint sources of pollutants in runoff are typically caused by rain or irrigation and have been classified by the USEPA into one of the following categories:

[16] Storm drainage systems are described as Municipal Separate Storm Sewer Systems (MS4s) and include streets, gutters, conduits, natural or artificial drains, channels, and watercourses or other facilities that are owned, operated, maintained, or controlled by a permittee and used for purposes of collecting, storing, transporting, or disposing of stormwater.

[17] El Segundo Municipal Code, Title 5, Chapter 7, 5-7-8, Best Management Practices (BMPs) and Title 5, Chapter 4, Stormwater and Urban Runoff Pollution Control.

[18] El Segundo Municipal Code, Title 5, Chapter 4, 5-4-9, Construction Activity Stormwater Measures

agriculture, urban runoff, construction, hydromodification, resource extraction, silviculture, and land disposal. Runoff from the proposed Project would consist only of non-point sources, during construction and over the operating life of the fully developed site, as discussed below.

The Project could have both short- and long-term impacts on water quality. Short-term impacts would occur during the construction phase of the Project, when the pollutants of greatest concern are sediment, which may run off the Project site due to site grading or other site preparation activities, miscellaneous solid and liquid wastes that may not be properly collected and stored, and hydrocarbon or fossil fuel remnants from the construction equipment. In addition, on-site watering activities to reduce airborne dust could contribute to pollutant loading in surface runoff.

However as indicated above, the Project applicant would be subject to the requirements of the Municipal NPDES Permit and the City's Municipal Code. Specifically, construction runoff is regulated by the NPDES Construction General Permit, discussed above, which requires identification of a variety of water quality control BMPs to be specified on construction plans and implemented throughout construction. Such BMP requirements may include, but would not be limited to, containing stormwater runoff on-site during rain events, limiting grading during the wet season, covering slopes susceptible to erosion, and retaining non-stormwater runoff, such as runoff from vehicle washing, on site. Through these existing, mandatory regulatory compliance measures, potential water quality impacts during construction would be avoided or reduced to less than significant levels and would avoid conflicts with water quality standards established by the Regional Water Quality Control Board.

Long-term impacts would result from operation of the completed Project, with waste material dumped into storm drain inlets having the potential to adversely impact surface water and groundwater. Anticipated pollutants of concern likely generated by Project operation would be those related to commercial office uses. Building materials can potentially contribute to pollutants of concern for stormwater runoff through leaching. Building construction materials, roofing, and fencing materials may be sources of metals in stormwater runoff, especially due to acidic precipitation. Stormwater runoff from areas where refuse is stored or handled could inadvertently transport trash to storm drain inlets, channels, and/or receiving waters. Oil and grease buildup in parking areas, drive aisles, and driveways is a form of contaminant that could be captured in site runoff and flow into the City's storm drains. Landscaping practices could produce pollution through irrigation runoff and by allowing pollutants to enter the storm drainage system. Discharges from the Project site could thus produce polluted runoff that could enter the municipal storm drain system.

While the Project would generate stormwater runoff during Project operation, as described above, the proposed increased landscaping and infiltration design would reduce the volume of runoff compared with the existing Project site, since the existing site is fully developed with impervious surfaces and minimal landscaping. Further, the Project would be required to have a stormwater management system that is designed to comply with the City of El Segundo's LID requirements, which state that the first flush (resulting from the 85th percentile annual rainstorm) would need to be infiltrated in the soils via infiltration wells, captured in a cistern and treated for on-site re-use, or filtered through bio-retention planters and released. Therefore, the Project would not substantially alter the existing drainage pattern of the Project site.

Specifically, the Project would include three stormwater infiltration dry wells with one located between Buildings A and C, one located between Buildings B, and C, and one located on the northwest corner of the proposed parking structure. Additionally, the Project would include a 60-foot-long, 8-inch diameter stormwater storage pipe underneath the courtyard between Buildings A and C, and a 130-foot-long, 8-inch storage pipe under the western wide of the proposed parking structure. These stormwater storage pipes would allow stormwater to be collected and discharged at a controlled rate, so as to not overwhelm existing municipal storm drains located within Pacific Coast Highway.

The Project's operation would result in a negligible decrease in the amount of impermeable surfaces as compared with existing conditions due to the inclusion of the LID BMPs identified above and the increase in total landscaped area. Therefore, the volume of runoff would not adversely affect the capacity of the City's storm drainage system that receives the site's runoff. Further, the proposed volume control, treatment, and maintenance BMPs specified above would sufficiently minimize the potential water pollution impacts of site runoff. Although the proposed Project may result in some minor alteration of existing on-site drainage patterns, stormwater would continue to be directed toward Pacific Coast Highway, and the storm drain system that serves the current Project site would remain sufficient. Therefore, the proposed Project would not result in flooding, would not create runoff that would exceed the capacity of the storm drain system, and would not be a substantial additional source of polluted runoff.

The Project site is not located within a 100-year floodplain boundary, as identified by the Flood Insurance Rate Maps prepared by the Federal Emergency Management Agency (FEMA 2008). Since the project would not be located within a 100-year flood hazard area, development of the proposed Project would not expose people or structures to significant flood hazards and would not impede or redirect flood flows.

In short, implementation of the best management practices identified above would be sufficient to limit water pollution impacts in site runoff and ensure that the developed site would not result in polluted runoff which would violate applicable water quality standards. Further, as the existing drainage pattern of the Project site would not be substantially altered by the proposed development, the Project would not result in excessive sedimentation, redirected flood flows, or other impacts resulting from a change in drainage patterns. As such, Project impacts would be **less than significant** and no mitigation measure is required**.**

10.b) The Project site is located within the jurisdiction of the West Basin Municipal Water District (West Basin). West Basin purchases imported water from the Metropolitan Water District of Southern California and wholesales the imported water to cities and private companies in southwest Los Angeles County, including El Segundo. Water utility service to the Project site is provided by the El Segundo Public Works Department Water Division. According to the West Basin Municipal Water District's 2015 Urban Water Management Plan (UWMP), the estimated 2020 water supply consists of: 19 percent groundwater; 52 percent imported water; 12 percent recycled water; 17 percent water conservation savings; and less than 1 percent desalinated water.[19]

[19] West Basin Municipal Water District*, 2015 Urban Water Management Plan*.

The groundwater supply is extracted from the West Coast Groundwater Basin, which covers approximately 140 square miles and underlies much of the West Basin service area, including El Segundo. The average amount of water extracted from the groundwater basin is approximately 36,000 acre-feet per year. Because the basin is adjudicated (i.e., the amount to be extracted each year has been determined by a court decision), the rights to the amount of groundwater extracted each year remain virtually the same. The Water Replenishment District of Southern California (WRD) is responsible for maintaining and replenishing the basin. Natural replenishment of the basin's groundwater supply occurs through the underflow from the Central Groundwater Basin and limited local precipitation. Artificial replenishment of the basin, which is the responsibility of the WRD, occurs through a mix of imported and recycled water. Groundwater recharge through surface spreading occurs at the following locations: Montebello Forebay Spreading Grounds adjacent to Rio Hondo and the San Gabriel River, within the unlined portion of the San Gabriel River, and behind the Whittier Narrows Dam in the Whittier Narrows Reservoir.[20]

The Project would not install any groundwater wells and would connect to the existing municipal water system. In addition, there are no aquifer conditions or recharge features at the Project site or in the surrounding area that could be affected by excavation or development of the Project. Stormwater that percolates into the substrate in the Project area remains in the upper layers of soil. While the Project site is currently covered with impervious surfaces, the Project's addition of dry wells for stormwater capture would allow stormwater to percolate into the soil. Therefore, the Project would not impede percolation of stormwater into the underlying substrate and impacts would be **less than significant**.

10.d) According to the California Geological Survey Los Angeles County Tsunami Inundation Maps, the Project site is not located within a tsunami inundation area.[21] There are no bodies of water located on or near the Project site, therefore, inundation caused by a seiche would not occur. Thus, there would be **no impact.**

10.e) As discussed in the response to 10. a, the Project is designed to be consistent with the LA Basin Plan, Statewide NPDES General Construction Permit and Municipal Code/LA County LID Standards for water quality control, for both construction and site improvements. As mentioned above, the West Basin Municipal Water District's 2015 Urban Water Management Plan (UWMP) states that the estimated 2020 water supply consists of: 19 percent groundwater; 52 percent imported water; 12 percent recycled water; 17 percent water conservation savings; and less than 1 percent desalinated water.[22] The groundwater supply that serves El Segundo is extracted from the West Coast Groundwater Basin. The Water Replenishment District of Southern California (WRD) is responsible for maintaining and replenishing the basin. Natural replenishment of the basin's groundwater supply occurs through the underflow from the Central Groundwater Basin and limited local precipitation. Artificial replenishment of the basin, which is the responsibility of the WRD, occurs through a mix of imported and recycled water at the Montebello Forebay Spreading Grounds, within the unlined portion of the

[20] Water Replenishment District. 2020. *Regional Groundwater Monitoring Report: Water Year 2018-2019, Central and West Coast Basins, Los Angeles County, California*.
[21] California Emergency Management Agency, 2009. *Tsunami Inundation Map for Emergency Planning, Venice Quadrangle*.
[22] West Basin Municipal Water District. 2016. *2015 Urban Water Management Plan*.

San Gabriel River, and behind the Whittier Narrows Dam in the Whittier Narrows Reservoir.[23]

Because the Project would not affect any of the regional groundwater management measures noted above, and because it would not involve the use, disposal, or storage of hazardous chemicals that could impact groundwater quality, the proposed Project would have a **less than significant** impact on the WRD's groundwater management and replenishment activities.

[23] Water Replenishment District, 2020. *Regional Groundwater Monitoring Report: Water Year 2018-2019, Central and West Coast Basins, Los Angeles County, California*.

11. LAND USE AND PLANNING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Physically divide an established community?	☐	☐	☐	☒
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Explanation of Checklist Responses

11.a) The Project site is developed with existing office uses, and the proposed Project would continue this office use. The Project site is bordered by commercial and general office land uses, within a developed area of the City, with fully developed urban infrastructure systems in place, including major arterial and local streets, water, sewer, storm drainage, and energy distribution facilities. The nearest residence and community is located along East Palm Avenue, which is approximately 270 feet to the west across a major thoroughfare (refer to **Figure 3**). The Project site is not located within or directly adjacent to any residential areas, and all proposed improvements would occur within the limits of the Project site. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, the Project would not physically divide an established community, and there would be **no impact**.

11.b) The City of El Segundo's General Plan and Zoning Ordinance govern the land use of the Project site and surroundings; there are no other governmental authorities with land use control over this project. Development of the proposed Project would not conflict with the any plans, policies, or regulations of the City that are intended to avoid or mitigate an environmental effect. No changes are proposed to the existing Corporate Office General Plan land use designation and Corporate Office zoning designation of the Project property. The proposed Project includes a request for a zone text amendment to amend the definition of f~~F~~loor ~~A~~area (net)~~Ratio~~ in the ESMC Section 15-1-6. Specifically, as the existing code requirements were intended to exempt parking from the definition of net floor area, the requirements do not currently include a design scenario where parking is fully integrated with a building. The zone text amendment requests an integrated parking structure within a new construction building be exempted, similar to other structural parking means, such as underground parking or exclusive parking structures. With this amendment's approval, the Project applicant would comply with the ESMC development standards. As such, the Project would have **no impact** involving a conflict with local or regional land use plans, policies, programs, or regulations.

12. MINERAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Explanation of Checklist Responses

12.a) As described in the General Plan Conservation Element, the City has been associated with petroleum resource development dating back to its founding in 1911. The City is partially underlain by the El Segundo Oil Field, where over 14 million barrels of oil and condensate were produced locally between 1935 and 1992, but production has steadily declined since 1967. The Project site is not located within the El Segundo Oil Field, which is located on the south side of Mariposa Avenue, as delineated by the California Department of Conservation, Geologic Energy Management Division (CalGEM).[24] The nearest oil well to the Project site is located near the Homewood Studio Suites hotel on the south side of Mariposa Avenue; however, this well has been categorized as a dry well, and has been plugged and abandoned, as reported by the California Department of Conservation.[25] No other types of mineral resources are identified on or near the Project site in the City's General Plan. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As a result, the Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Thus, **no impact** would occur.

12.b) According to the City's General Plan, there are no designated Mineral Resources Zones in El Segundo. Further, the General Plan does not identify the Project site as an important mineral resource recovery site. Thus, **no impact** would occur.

[24] California Department of Conservation, 2020. *Well Finder CalGEM GIS online mapping portal.*
[25] California Department of Conservation, 2020. *Well Details, API: 03705175, Santa Fe B, Well #1.*

13. NOISE

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, exposure of people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

The following analysis is based on information contained in the *Noise Impact Analysis for the 650 PCH Project* prepared by Vista Environmental, dated December 24, 2020. This report, hereinafter referred to as the Noise Report, is included as **Appendix G** of this IS/MND.

Noise Fundamentals

Noise is generally defined as unwanted sound, and sound becomes unwanted when it interferes with normal activities or when it causes actual physical harm, including adverse effects on health. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

Noise Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time of day corrections require the addition of ten decibels to sound levels at night between 10:00 p.m. and 7:00 a.m. While the Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has another addition of 4.77 decibels to sound levels during the evening hours between 7:00 p.m. and 10:00 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason, the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of El

Segundo relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

Noise can be generated by a number of sources, including mobile sources, such as automobiles, trucks, and airplanes, and stationary sources, such as construction sites, machinery, and industrial operations. The rate depends on the ground surface and the number or type of objects between the noise source and the receiver. Mobile transportation sources, such as highways, and hard and flat surfaces, such as concrete or asphalt, have an attenuation rate of 3.0 dBA per doubling of distance. Soft surfaces, such as uneven or vegetated terrain, have an attenuation rate of about 4.5 dBA per doubling of distance from the source. Noise generated by stationary sources typically attenuates at a rate of approximately 6.0 to 7.5 dBA per doubling of distance from the source (EPA 1971). Construction noise levels are assumed to average 6 dBA of attenuation per doubling of distance from the source (FHWA 1978).

Human response to sound is highly individualized. Annoyance is the most common issue regarding community noise. The percentage of people claiming to be annoyed by noise generally increases with the environmental sound level. However, many factors also influence people's response to noise. The factors can include the character of the noise, the variability of the sound level, the presence of tones or impulses, and the time of day of the occurrence. Additionally, non-acoustical factors, such as the person's opinion of the noise source, the ability to adapt to the noise, the attitude toward the source and those associated with it, and the predictability of the noise, all influence people's response. As such, response to noise varies widely from one person to another, and with any particular noise, individual responses would range from "not annoyed" to "highly annoyed."

El Segundo Municipal Code

Based on the federal and state guidelines, the City established land use standards for noise, which are set forth in ESMC Title 7, Chapter 2, Noise and Vibration. The relevant sections of the chapter are presented below.

Section 7-2-4, Noise Standards. This section establishes the standard for commercial and industrial property as 8 dBA above the ambient noise level. The standard for residential property is 5 dBA above the ambient noise level.

Section 7-2-10, Exemptions. As cited in this section, the following activities are exempt from the provisions of this chapter:

D. Construction Noise: Noise sources associated with or vibration created by construction, repair, or remodeling of any real property, provided said activities do not take place between the hours of six o'clock (6:00) P.M. and seven o'clock (7:00) A.M. Monday through Saturday, or at any time on Sunday or a Federal holiday, and provided the noise level created by such activities does not exceed the noise standard of sixty five (65) dBA plus the limits specified in subsection 7-2-4C of this Chapter as measured on the receptor residential property line and provided any vibration created does not endanger the public health, welfare and safety.

For construction noise, a "substantial" noise increase can be defined as interference with activities during the day and night. One indicator that construction noise could interfere with daytime activities would be speech interference.

Nearest Sensitive Receptor s and Existing Noise Conditions

The nearest sensitive receptors to the Project site are residents at the multi-family homes located as near as 270 feet west of Building A along East Palm Avenue, as well as approximately 270 feet west of Building B to the northwest along Indiana Court. To determine the existing noise levels, noise measurements have been taken in the vicinity of the Project site. The noise measurements were recorded between 12:29 p.m. on Tuesday, November 24, 2020 and 12:47 p.m. on Wednesday, November 25, 2020. It should be noted that the noise measurements were taken during the COVID-19 pandemic during stay-at-home orders; therefore, the measured baseline ambient noise levels are lower and hence more conservative than during normal conditions. The field survey noted that noise within the proposed Project area is generated primarily by vehicle traffic on Pacific Coast Highway, which is located adjacent to the west side of the Project site. The results of the noise level measurements are presented in **Table 13-1**. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over 1-hour intervals. **Table 13-1** also shows the L_{eq}, L_{max}, and CNEL, based on the entire measurement time.

Table 13-1. Existing (Ambient) Noise Level Measurements

No.	Measurement Location Description	Average (dBA L_{eq})		1-hr Average (dBA L_{eq}/Time)		Average (dBA CNEL)
		Daytime [1]	Nighttime[2]	Minimum	Maximum	
1	Located northwest of project site, on the wall between IHOP and multi-family homes on Indiana Court, approximately 195 feet west of Pacific Coast Highway centerline.	64.1	57.9	53.9 3:08 a.m.	65.3 3:35 p.m.	66.9
2	Located west of Project site, on power pole located on southeast corner of 1637 E Palm Avenue, approximately 22 feet north of Palm Avenue centerline.	63.6	55.7	51.9 3:08 a.m.	67.3 8:44 a.m.	65.2
3	Located on light pole that is located approximately in center of Project site parking lot.	60.1	53.2	52.9 5:34 a.m.	62.2 7:48 a.m.	62.2

Notes:
[1] Daytime is defined as 7:00 a.m. to 10:00 p.m. (Section 7-2-8(A) of the Municipal Code)
[2] Nighttime defined as 10:00 p.m. to 7:00 a.m. (Section 7-2-8(A) of the Municipal Code)
Source: Noise Report, see **Appendix G**.

Explanation of Checklist Responses

13.a) The following sections evaluate the noise sources and levels associated with the temporary construction activities and long-term operations of the proposed Project and compares the noise levels to the City standards.

Short-Term Construction Impacts

The noise impacts from the Project construction have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). Construction activities are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Noise

impacts from the Project construction activities would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities.

Section 7-2-10(D) of the City's Municipal Code exempts construction noise from the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m., except Sundays and Federal holidays and such activities do not exceed 65 dBA at the nearby residential properties.

Construction noise impacts to the nearby sensitive receptors have been calculated with the results summarized below in **Table 13-2**.

Table 13-2. Construction Noise Levels at the Nearby Sensitive Receptors

	Construction Noise Level (dBA Leq) at:	
Construction Phase	**Homes to Northwest (Indiana Court)**	**Homes to West (East Palm Avenue)**
Demolition/Rough Grading	63	63
Grading/Foundation	63	63
Building Construction	62	63
Architectural Coating	54	54
Paving/Site Improvements	64	64
City Construction Noise Threshold[1]	**65**	**65**
Exceed Thresholds?	**No**	**No**

Source: Noise Report, see **Appendix G**.

Table 13-2 shows that greatest construction noise impacts would be as high as 64 dBA Leq during the paving and site improvements phase at the nearest homes to the northwest and west of the Project site. ll calculated construction noise levels shown in **Table 13-2** are within the City's construction noise standard of 65 dBA. Therefore, through adherence to the limitation of allowable construction times provided in Section 7-2-10(D) of the Municipal Code, construction-related noise levels would not exceed any standards established in the General Plan or Noise Ordinance nor would construction activities create a substantial temporary increase in ambient noise levels from construction of the proposed project. Impacts would be **less than significant** and mitigation measures are not required.

Operational Noise Sources

Potential noise impacts associated with the operations of the proposed Project would be from Project-generated vehicular traffic on the nearby roadways and from on-site activities, which have been analyzed separately below.

Roadway Traffic Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed project does not propose any uses that would require a substantial number of truck trips

and the proposed project would not alter the speed limit on any existing roadway so the proposed project's potential off-site noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur with development of the proposed project.

Since neither the General Plan nor the CEQA Guidelines define what constitutes a "substantial permanent increase to ambient noise levels," this impact analysis has utilized guidance from the Federal Transit Administration for a moderate impact that shows that the Project contribution to the noise environment can range between 0 and 7 dB, which is dependent on the existing noise levels, as shown in **Table 13-3**.

Table 13-3. FTA Project Effects on Cumulative Noise Exposure

Existing Noise Exposure (dBA Leq or Ldn)	Allowable Noise Impact Exposure dBA Leq or Ldn		
	Project Only	Combined	Noise Exposure Increase
45	51	52	+7
50	53	55	+5
55	55	58	+3
60	57	62	+2
65	60	66	+1
70	64	71	+1
75	65	75	0

Source: Noise Report, see **Appendix G**.

The potential off-site traffic noise impacts created by the on-going operations of the proposed project have been analyzed through utilization of the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108 (FHWA Model). The proposed Project's potential off-site traffic noise impacts have been analyzed for the existing year and opening year 2023 conditions, which are discussed below.

Existing Year Conditions

The proposed Project's potential off-site roadway noise impacts have been calculated through a comparison of the existing scenario to the existing with Project scenario. The results of this comparison are shown in **Table 13-4**.

Table 13-4. Project Traffic Noise Contributions for Existing Year Conditions

Roadway	Segment	dBA CNEL at Nearest Receptor[1]			Increase Threshold[2]	Significant Impact?
		Existing	Existing Plus Project	Project Contribution		
PCH	North of Grand Avenue	60.3	60.3	0.0	+2 dBA	No
PCH	North of Mariposa Avenue	60.6	60.6	0.0	+2 dBA	No
PCH	North of Palm Avenue	64.2	64.3	0.1	+2 dBA	No
PCH	North of Maple Avenue	62.8	62.8	0.0	+2 dBA	No
Grand Avenue	West of PCH	67.1	67.1	0.0	+1 dBA	No

Notes:
[1] Calculated noise at the nearest residential does not take into account existing noise barriers.
[2] Increased Threshold obtained from the FTA's allowable noise impact exposures.
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table 13-4 shows that for the existing conditions, the proposed Project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed Project would not result in a substantial permanent increase in ambient noise levels for the existing year conditions. Impacts would be **less than significant** and no mitigation measures are required.

Opening Year 2023 Conditions

The proposed Project's potential off-site roadway noise impacts have been calculated through a comparison of the opening year 2023 scenario to the opening year 2023 with Project scenario. The results of this comparison are shown in **Table 13-5**.

Table 13-5. Project Traffic Noise Contributions for Opening Year 2023 Conditions

		dBA CNEL at Nearest Receptor[1]				
Roadway	Segment	Year 2023	Year 2023 Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
PCH	North of Grand Avenue	60.3	60.3	0.0	+2 dBA	No
PCH	North of Mariposa Avenue	60.6	60.6	0.0	+2 dBA	No
PCH	North of Palm Avenue	64.2	64.3	0.1	+2 dBA	No
PCH	North of Maple Avenue	62.8	62.8	0.0	+2 dBA	No
Grand Avenue	West of Pacific Coast Highway	67.1	67.1	0.0	+1 dBA	No

Notes:
[1] Calculated noise at the nearest residential use does not take into account existing noise barriers.
[2] Increased Threshold obtained from the FTA's allowable noise impact exposures.
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table 13-5 shows that for the opening year 2023 conditions, the proposed Project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed Project would not result in a substantial permanent increase in ambient noise levels for the opening year 2023 conditions. Impacts would be **less than significant** and no mitigation measures are required.

On-site Noise Sources

Project operations may create an increase in on-site noise levels from noise impacts from rooftop mechanical equipment, parking lots, and delivery trucks. Section 7-2-4(A) of the City's Municipal Code limits the noise created on the Project site at the nearby residential properties to the ambient noise level plus 5 dBA and Section 7-2-4(B) of the City's Municipal Code limits the noise created on the Project site at the nearby commercial and industrial properties to the ambient noise level plus 8 dBA. As mentioned previously, the nearest sensitive receptors to the Project site are homes to

the north and northwest that are located as near as 270 feet from the Project site. Additionally, commercial uses to the south are adjacent to the Project site.

In order to determine the noise impacts from the operation of rooftop mechanical equipment, parking lots, and delivery trucks, reference noise measurements for each noise source are shown in **Table 13-6**, and the noise levels from each source were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver.

Table 13.6 Operational Noise Levels at Nearby Land Uses

	Homes to Northwest		Homes to West		Commercial to South	
Noise Source	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Commercial (feet)	Noise Level[1] (dBA Leq)
Rooftop Equipment[2]	310	31	300	31	60	45
Parking Lot[3]	310	27	380	25	60	42
Truck Delivery[4]	480	31	380	33	60	49
Combined Noise Levels		**35**		**35**		**51**
City Noise Standard (day/night)		**69/63**		**69/61**		**68/61**
Exceed City Noise Standard?		**No/No**		**No/No**		**No/No**

Notes:
[1] The noise levels were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver. Does not account for noise reduction features such as buildings and walls.
[2] Rooftop equipment is based on a reference noise measurement of 66.6 dBA at 10 feet.
[3] Parking lot is based on a reference noise measurement of 63.1 dBA at 5 feet.
[4] Truck delivery is based on a reference noise measurement of 54.8 dBA at 30 feet.
[5] City Noise Standard based on ambient noise level plus 5 dB at the residential uses and plus 8 dB for the commercial uses.

Table 13-6 shows that the proposed Project's on-site operational noise from the anticipated on-site noise sources would not exceed the applicable noise standards at the nearby residential and commercial uses. Therefore, operational on-site noise impacts would be **less than significant** and no mitigation measures are required.

13.b) Project construction can generate varying degrees of groundborne vibration, depending on the construction procedure and the equipment used. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The types of construction vibration impact include human annoyance and building/property damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not

particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between the vibration source and the receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment.

The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

The Project construction activities are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Vibration impacts from construction activities would typically be created from the operation of heavy off-road equipment. The nearest off-site structure where people may sit, which makes them much more susceptible to vibration, would be the commercial uses, located as near as 30 feet south of the Project site.

Section 7-2-9 of the City's Municipal Code restricts the creation of vibration which is perceptible without the use of instruments to any reasonable person on normal sensitivity. However, since neither the Municipal Code nor the General Plan provides a quantifiable vibration threshold level, Caltrans guidance has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second PPV.

The primary source of vibration during construction would be from the operation of a bulldozer, which was selected from the applicant's equipment list as the equipment generating the highest vibration levels. A large bulldozer would create a vibration level of 0.089 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest adjacent structures (30 feet away) would be 0.11 inch per second PPV. The vibration level at the nearest off-site structure where people likely sit, would be below the 0.25 inch per second PPV threshold detailed above. Impacts would be **less than significant** and no mitigation measures are required.

Operations-Related Vibration Impacts

Operation of the Project is expected to require delivery trucks to the Project site, which are a known source of vibration. The nearest off-site structure where people may sit, which makes them much more susceptible to vibration, would be the commercial uses, located as near as 30 feet south of the Project site of the nearest on-site driveway.

Caltrans has performed extensive research on vibration levels created along freeways and State Routes and their vibration measurements of roads have not exceeded 0.08 inches per second PPV at 15 feet from the center of the nearest lane, with the worst-case combinations of heavy trucks. Based on typical propagation rates, the vibration level at the nearest commercial buildings (30 feet away) would by 0.037 inch per second PPV. Therefore, vibration created from operation of the proposed project would be within the 0.25 inch per second PPV threshold of detailed above. Impacts would be **less than significant** and no mitigation measures are required.

13.c) The proposed Project would not expose people residing or working in the Project area to excessive noise levels from aircraft. The nearest airport is Los Angeles International Airport that is located as near as 0.5 mile north of the Project site, however it should be noted that the Airport's runways run in a generally east-west direction and the Project site is located roughly perpendicular to the length of the Airport runways, so take-offs and landings do not occur over the Project site. As detailed in *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report*[26] the Project site is located outside of the 65 dBA CNEL noise contours of Los Angeles International Airport. Therefore, aircraft noise impacts would be **less than significant** and no mitigation measures are required.

[26] Los Angeles International Airport. 2019. *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report.*

14. POPULATION AND HOUSING

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Explanation of Checklist Responses

14.a) As discussed in the responses to the Land Use and Planning thresholds in Section 11, the proposed Project is consistent with the City of El Segundo General Plan land use policies, which designate the Project site for office uses. No housing units would be developed as part of the Project, and no new or expanded urban infrastructure would be constructed that could foster increased development intensity on-site or at surrounding properties. Similar to other construction projects in the region, the Project construction workers would be expected to be drawn from the large, available regional labor force, who would commute to the Project site during the construction stages. The Project would provide an additional 67,380 square feet of office space. Based on the 2019 CDC Table 1004.5, which calculates the maximum total occupants for office use at a ratio of 1 person/150 square feet, the Project would provide office space for up to an additional 450 people.

Based on the Project vehicle miles traveled (VMT) of 21.8 miles, which represents the average distance each employee would travel in an automobile to the Project site, as analyzed in Section 17, Transportation, it is anticipated that the majority of workers employed at the Project would commute to, rather than relocate to the Project area, Additionally, the Project's close proximity to the Metro Station (approximately 0.4 mile to the east at Mariposa Avenue and Nash Street) would also facilitate commuters using public transit. Further, based on the State of California Employment Development Department Labor Force data, the unemployment rate in El Segundo was 12.3 percent in December 2020, which is 1.6 percentage points higher than the overall county unemployment rate of 10.7 percent (EDD 2021). Based on this data, it is also possible that the Project would provide employment opportunities to the local inhabitants in El Segundo in a variety of occupations, including maintaining or being employed at the offices in the Project.

To be conservative and assume that up to 5 percent, or approximately 23 of the additional future employees relocate to El Segundo, it is expected that based on the number of available or vacant housing units, which was 354 units in 2019 (U.S. Census 2019), the existing housing would sufficiently accommodate the estimated number of future employees who would relocate to El Segundo and require 6 percent of the vacant housing. This Project does not, therefore, represent unplanned growth. Lastly, the proposed zone text amendment, which would exclude parking area from the floor

area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Therefore, the Project would result in a **less than significant impact** to directly or indirectly induce unplanned population growth in the City.

14.b) There is no existing housing on the Project site, which is currently zoned and in-use for Commercial Office. Construction and renovation of the proposed buildings, therefore, would not displace any people or housing. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Thus, the Project would not necessitate the construction of replacement housing elsewhere and there would be **no impact**.

15. PUBLIC SERVICES

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:	☐	☐	☒	☐
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☒	☐
iv) Parks?	☐	☐	☒	☐
v) Other public facilities?	☐	☐	☒	☐

Explanation of Checklist Responses

15.a.i) The El Segundo Fire Department (ESFD) provides fire protection and emergency medical services to the Project area. The ESFD maintains 14 firefighters on duty 24 hours a day, 7 days a week. The City is divided into two districts for fire response, with Pacific Coast Highway as the dividing line. Station 1 responds to calls west of Pacific Coast Highway and Station 2 responds east of Pacific Coast Highway. Depending on the nature of the emergency request, units may cross over into the other district and coordinate resources to assist in response activities.[27] The Project site is located within Station 2's fire response district. Station 2 is located at 2261 E. Mariposa Avenue, approximately 0.53 mile from the Project site, and includes one fire engine, one fire truck, and one paramedic unit. Station 1 (headquarters at the Civic Center Complex) is located at 314 Main Street, approximately 1.25 miles from the Project site.

The Project would result in increased square footage of commercial office space and an increase in the number of employees on the Project site as compared with current conditions; however, the Project would not create any new uses that could not be served by existing ESFD equipment and personnel. Additionally, the Project designs to renovate Building A and Building B and construct Building C would be required to comply with ESMC fire protection requirements to reduce fire hazards associated with the buildings. The ESFD has review and approval authority over building plans in subsequent phases of construction design to ensure adherence with fire department regulations and requirements. Additionally, ESMC Title 15, Chapter 27A, Section 15-27A-

[27] City of El Segundo, *Fire Department, Suppression Frequently Asked Questions*.

2, establishes the City's ability to impose development impact fees, which requires new development projects to pay their fair share of cost to offset a project's impact on public services, including fire suppression facilities, law enforcement facilities, and libraries. The amount of each impact fee is generally calculated based on the gross square footage of nonresidential development or other appropriate methodology which ensures that the fee is roughly proportional to the impacts of new development on public facilities. As such, the Project is not anticipated to affect fire protection demands to the extent that new or physically altered fire facilities would be required. Impacts on fire protection serves are anticipated to be **less than significant** and no mitigation measures are required.

15.a.ii) The El Segundo Police Department (ESPD) provides police protection in the City. The department's headquarters are located at 348 Main Street at the Civic Center Complex, approximately 1.25 miles west of the Project site. The City is divided into two geographic areas bisected by Pacific Coast Highway. The area west of Pacific Coast Highway is designated the West Command and the area east of Pacific Coast Highway is designated the East Command. The Project site is located within the East Command. The ESPD is staffed by a total of approximately 62 sworn officers, 20 administrative personnel, and volunteers.[28] The Project does not involve housing development or growth inducing effects, as discussed in Section 14, that would increase service population demands for law enforcement.

The Project would increase the number of employees on the Project site through the construction of a new, 7-level office building and renovation of existing office buildings. Because the Project site already contains office buildings, and the Project site is surrounded by commercial and industrial land uses, the Project would not create a unique land use that would result in new or expanded sources of crime. Further, the ESPD is involved in the City's review of new development plans and provides specific recommendations to improve safety and security and the ability to respond to law enforcement incidents through various project design features. Examples of such recommendations typically pertain to lighting; landscaping; monitoring and surveillance devices; address signs; doors and hardware; etc. Additionally, as mentioned above, the Project would be assessed development impact fees, which represent a project's fair share costs to the City for public services and facilities, including law enforcement. Thus, the Project is not expected to substantially affect police protection needs or service ratios and would not result in the need for new or physically altered police facilities. As such, impacts would be **less than significant** and no mitigation measures are required.

15.a.iii) The Project site is located within the El Segundo Unified School District boundaries, which provides kindergarten through twelfth grade public education services in El Segundo. The school district is ranked in the top 10 percent of the nation and maintains a 25:1 student to teacher ratio (Public School Review 2021). Based on the school district's Board of Education Goals for Our Future: 2020-2040 (El Segundo Unified School District 2020), the school district has not identified issues with capacity or inadequate facilities. The Project would renovate two existing commercial buildings and would construct a five-story office building with a 1,185-space parking structure. As such, the Project would result in the increase of the total number of employees by approximately 450 on the

[28] City of El Segundo. 2019. *Adopted Operating & Capital Improvement Budget, Fiscal Year 2019-2020.*

Project site as compared with current conditions. While most future employees are expected to commute, rather than relocate to El Segundo, based on a conservative assumption that 5 percent or 23 of the future employees would move to El Segundo, these future employees may have children who would attend school at the El Segundo Unified School District facilities. Based on the current school district status, it is expected that the schools may accommodate additional students from the 23 future employees. Further, the Project would be subjected to levied developer fees applicable to both new construction and reconstruction projects, pursuant to Education Code Section 17620, to support school facilities. Because there are no residential units associated with the Project and the Project would result in insignificant growth-inducing effects as mentioned in Section 14, the Project would not have a direct impact on school facilities. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, the Project would result in a **less than significant impact** to public school facilities.

15.a.iv) As the Project does not involve residential development or other effects to increase housing growth, and the Project, with a conservatively assumed additional 23 employees who would relocate to El Segundo, would not significantly increase demands for park facilities. As such, the Project would not affect the City's parkland to population ratio, which is set forth at 5 acres per 1,000 population, based on the El Segundo General Plan Open Space and Recreation Element. The City maintains a park and recreation inventory totaling approximately 91 acres (LAWA 2019). Based on the U.S. Census population estimate of 16,610 inhabitants in 2019, the City's parkland to population ratio is 5.5 acres per 1,000 population, exceeds the General Plan parkland performance standard. Additional park users resulting from the estimated 23 relocated employees are expected to be accommodated without exceeding the 5 acres to1,000 population parkland to population ratio. While the Project would increase the number of employees on the site as compared with existing conditions, the proposed Project design also provides an enhanced outdoor plaza area for employee use. The plaza would be centrally located among Buildings A, B, and C, and would be designed with wood seating and landscaping, including over 75 trees of varying species, and a variety of native and climate-adapted shrubs and groundcovers. The plaza would provide employees with a means to spend time in a beautified outdoor setting with shading and seating amenities, and would be expected to decrease the demand that employees would have on neighborhood or regional parks. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As a result, the Project would result in a **less than significant impact**.

15.a.v) The El Segundo Public Library located at 111 West Mariposa Avenue, approximately 1.2 miles west of the Project site provides library services to the City. Outdoor gathering places and public amenities, such as those provided by the Joslyn Center Senior Center and the George E. Gordon Clubhouse, are located approximately 1 mile southwest of the Project site. As stated above, the Project would not involve residential development or significant growth-inducing effects that have the potential to increase the demand for other public services, such as libraries and community centers, to the extent where new or physically altered facilities would be required. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, the Project would result in a **less than significant impact** to other municipal facilities.

16. RECREATION

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Explanation of Checklist Responses

16.a) The existing Project site, which has been occupied most recently by Boeing for over a decade and has been used for commercial office space since 1957 (for Building B) and 1962 (for Building A), does not provide recreational use. The nearest recreational facility is Washington Park, approximately 650 feet west of the Project site, along East Palm Avenue and Washington Street. This park is separated from the Project site by Pacific Coast Highway and commercial and residential uses. As stated above, construction of the new Building C and the updating of Buildings A and B would not involve residential development; thus, it would not generate a direct demand on recreational facilities. Further, the Project would provide employees of on-site office uses with outdoor seating areas and a plaza, thus decreasing the demand that employees would have on neighborhood or regional parks, such as Washington Park, during the day. As discussed in **15.a.iv**, while the majority of the Project users are expected to commute or be hired locally, this analysis assumes that 5 percent, or 23 of the additional future employees may relocate to the Project area. The current parkland to population ratio, which is considered the relevant performance standard concerning parkland, is 5.5 acres per 1,000 population, which exceeds the General Plan Open Space and Recreation parkland performance standard of 5 acres per 1,000 population. The additional park users resulting from the Project-related relocations would be expected to maintain the parkland to population ratio of 5 acres to 1,000 population. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. In summary, the Project would be expected to result in **less than significant** impacts in this regard.

16.b) As stated above, the Project is not anticipated to substantially increase the demand on municipal parks and recreation facilities in the City, thus requiring construction or expansion of recreational facilities. The Project itself would include a courtyard in between Buildings A, B, and C, which would be enhanced with decorative landscaping and multiple seating areas for use by employees on the site. Environmental impacts associated with the construction of the Project's outdoor gathering spaces are included in the Project analysis discussed in the other sections of this Initial Study. Therefore, there would be no additional impacts associated with constructing these outdoor recreation amenities beyond those already discussed in this Initial Study. Lastly, the proposed zone text amendment, which would exclude parking area from the floor

area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, the Project would result in **no impacts**.

17. TRANSPORTATION

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☐	☒
b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☒	☐	☐
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

The discussion and analysis in this section are based on the traffic impact analysis (TIA) for the proposed Project prepared by Kimley-Horn (2020; see **Appendix H**).

17.a) The Project is proposed at an existing developed site in the urban portion of El Segundo along Pacific Coast Highway that is well-served by public transit systems. The Project site is located within in a High Quality Transit Area (HQTA),[29] approximately 0.3 mile from the Los Angeles County Metropolitan Transportation Authority (Metro) rail system Mariposa Station, near the intersection of Mariposa Avenue and Nash Street. Additionally, the Metro Bus Line 232 has a bus stop approximately 300 feet from the Project site along Pacific Coast Highway. (**Figure 2**, Project Location).

The Project would not conflict with a program or plan addressing the circulation system, which include the City of El Segundo General Plan Circulation Element (September 2004), the City's municipal code (ESMC), and the SCAG RTP/SCS. The City of El Segundo General Plan Circulation Element (September 2004) guides development to provide a safe, convenient, and efficient circulation system, while providing a means to respond to anticipated growth. SCAG adopted the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) in April 2016 and the 2020-2045 RTP/SCS in September 2020. The purpose of the RTP/SCS is to plan and balance the region's future mobility and housing needs with economic, environmental and public health goals.

The Project is consistent with the guiding principles and policies in the City's Circulation Element and SCAG RTP/SCS. The Project involves the renovation of existing buildings and proposes the construction of a new office building and enhanced outdoor courtyard area. The Project would modernize existing workplaces, provide additional

[29] SCAG defines a High Quality Transit Area (HQTA): Areas within one-half mile of a fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes or less during peak commuting hours. While HQTAs account for only three percent of total land area in SCAG region, they are planned and projected to accommodate 46 percent of the region's future household growth and 55 percent of the future employment growth.

areas of employment in close proximity to public transit systems, and encourage use of outdoor areas. The Project would also encourage pedestrian and bicycle access by providing pedestrian entrances and bicycle access along Pacific Coast Highway near other existing commercial businesses. The Project also includes development of new bicycle facilities, with 128 short-term and long-term bicycle parking spaces, in accordance with the ESMC requirements. The Project parking facilities could help serve parking needs for nearby business, and would include tandem, electric, and clean-air vehicle spaces to further encourage alternative transportation and rideshare programs.

In summary, the Project would not conflict with applicable programs, plans, ordinances, or policies addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. There would be **no impact** in this regard.

While not required for CEQA analysis, the following provides the Project level of service findings for informational purposes only. Two intersections, N Pacific Coast Highway at El Segundo Boulevard and N Pacific Coast Highway at Imperial Highway, near the Project site currently operate at LOS F. Under existing plus project conditions, the two intersections would continue to operate at LOS F, and the northern driveway for the Project site would also operate at LOS F. Under the opening year (2023) cumulative base scenario, the intersections operating at LOS F are N Pacific Coast Highway at El Segundo Boulevard (no change in LOS), N Pacific Coast Highway at Grand Avenue, and North Pacific Coast Highway at Imperial Highway. Under opening year (2023) cumulative plus project conditions, the intersections operating at LOS F include those under the cumulative base scenario as well as the northern and southern driveways onto the Project site.

17.b) In January 2019, the Natural Resources Agency and the Governor's Office of Planning and Research (OPR) codified SB 743 (Chapter 386, Statutes of 2013) into the Public Resources Code (PRC) and the State CEQA Guidelines, Section 15064.3 to establish vehicles miles traveled (VMT) as the new transportation impact metric. VMT refers to the amount and distance of automobile travel attributable to a project. The City is in the process of developing SB 743 implementation guidelines at the time of this analysis. Therefore, the Project VMT Analysis (**Appendix H**) was prepared in accordance with the City's draft SB 743 Implementation Guidelines, which are based on OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA* (OPR 2018).

The analysis of the Project VMT is conducted by calculating the Project VMT, meaning the distance the future occupant or employee at the Project would travel in an automobile to reach the Project site, and then comparing the Project VMT with a threshold. Based on the draft Implementation Guidelines, the threshold is established at 15 percent below the regional average VMT. In this case, the regional average VMT is established at 20.0 miles, which is based on the SCAG travel demand model developed as part of the 2016 SCAG RTP/SCS; therefore, the VMT threshold is calculated to be 15 percent of this average, or 17.0 miles.

Based on the Project characteristics utilized as the primary input in the VMT Calculator, the Project would generate an average Project Home-Based Work (HBW) (i.e., commute) per capita VMT of 21.8 miles per employee, without application of any transportation demand management (TDM) measures. Therefore, the VMT per

employee of 21.8 exceeds the regional average significance threshold of 17.0 (15 percent below 20.0) by 4.8 miles. In order to identify a measurable unit to apply mitigation, the VMT reduction of 4.8 miles was converted into the equivalent daily trips. By applying 22 percent of 1,115 total daily trips[30], 4.8 miles per employee is equivalent to 254 daily trips.

As a result, **Mitigation Measure TRANS-1** would be required to reduce the Project VMT under the regional average significance threshold. With implementation of Mitigation Measure TRANS-1, the Project's impact would be **less than significant.**

Mitigation Measure TRANS-1: The applicant shall prepare and implement a Project-specific TDM program that will reduce the Project's daily trips by 254. The TDM program shall consist of a list of approved strategies, guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations to promote carpool, bicycling, walking, and transit in place of individual vehicle trips to and from the Project. These elements may change or be adjusted to adapt to changing commute trends and to maximize the efficiency and performance of the program. The following is a preliminary list of applicable strategies that provide feasible means to adequately reduce the Project VMT:

- Safe and Well-Lit Access to Transit: Enhance the route for people walking or bicycling to nearby transit stops, such as those located on Pacific Coast Highway and Mariposa Avenue. (Maximum reduction of 23 trips)

- Transit Subsidies: Provide subsidization of transit fare for employees of the project site. This strategy helps reduce single-occupancy vehicle trips by utilizing transit service already present in the project area. (Maximum reduction of 116 trips)

- Travel Behavior Change Program: Provide a web site that allows employees to research other modes of transportation for commuting. (Maximum reduction of 46 trips)

- Promotions & Marketing: Provide marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. (Maximum reduction of 46 trips)

- Commute Assistance Center: Provide a computer kiosk that allows employees to research other modes of transportation for commuting. (Maximum reduction of 46 trips)

- Preferential Carpool / Vanpool Parking Spaces: Provide reserved carpool/vanpool spaces closer to the building entrance. (Maximum reduction of 116 trips)

[30] The total daily trips is calculate dot be1,155 daily trips, based on the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) trip rates for General Office Building (ITE Land Use 710).

- Passenger Loading Zones: Provide passenger loading zones for easy access to carpools or vanpools. (Maximum reduction of 58 trips)

- Bike Share: Implement bike share to allow people to have on-demand access to a bicycle, as-needed. (Maximum reduction of 3 trips)

- Bike Parking and Facilities: Include secure bike parking and showers to provide additional end-of-trip bicycle facilities to support safe and comfortable bicycle travel. Provide on-site bicycle repair tools and space to use them supports on-going use of bicycles for transportation. (Maximum reduction of 35 trips)

- Traffic Calming Improvements: Implement traffic calming measures throughout and around the perimeter of the Project site that encourage people to walk, bike, or take transit within the development and to the development from other locations. (Maximum reduction of 12 trips)

- Pedestrian Network Improvements: Implement pedestrian network improvements throughout and around the Project site that encourages people to walk (Maximum reduction of 23 trips)

- Parking Cash Out: Provide employees a choice of forgoing current parking for a cash payment to be determined by the employer. (Maximum reduction of 58 trips)

- Alternative Works Schedule: Implement Flextime, Compressed Work Week (CWW), and staggered shifts for employees. (Maximum reduction of 173 trips)

Timing/Implementation: *Applicant to provide a TDM Program to the City for review, with approval completed prior to Building Permit Final or issuance of the first certificate of occupancy. The success of the program will be monitored and the tenant commute patterns will be reviewed, with updates of adjustments and changes to be provided in an annual monitoring report, or the TDM shall include a mechanism to report to the City on the progress.*

Monitoring/Enforcement: *El Segundo Planning and Building Safety Department*

17.c) The Project property is an existing developed site, and the proposed Project layout does not include sharp curves or other geometric designs that would increase hazards, as shown on Figure 5, Project Site Layout. Vehicular access is provided by two driveways on Pacific Coast Highway and one driveway on Carl Jacobson Way, and as depicted on Figure 5, the circulation pattern provides adequate and safe ingress and egress. The Project would also be designed with safe and convenient pedestrian access from the buildings to the parking structure through the central courtyard. Additionally, Buildings A and B would be renovated to provide direct pedestrian access to the Pacific Coast Highway. The Project does not involve creating unsafe geometric design features such as sharp curves or dangerous intersections. Project impacts would be **less than significant.**

17.d) The proposed Project layout includes fire access from the driveways along North Pacific Coast Highway and East Maple Avenue, which~~dedicated fire lanes that~~ provide emergency access to the site, as shown on **Figure 5**, Project Conceptual Site Layout. A fire lane easement runs through adjacent properties ~~both~~ north ~~and south~~ of the Project site, which the applicant has partially redesigned to be in compliance with Fire Department purposes. As addressed above in 9.f, during construction and operations, the Project would not interfere with or close access along Pacific Coast Highway, and existing driveways entering and exiting the property would remain open to emergency vehicles. Thus, the Project's would not result in inadequate emergency access and impacts in this regard would be **less than significant.**

18. TRIBAL CULTURAL RESOURCES

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place or object with cultural value to a California Native American tribe, and that is:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?	☐	☐	☒	☐
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Explanation of Checklist Responses

18.a As mentioned previously, the potential for resources eligible for listing on the California Register of Historical Resources to exist on the Project site was evaluated in the Project Cultural Resources Memorandum provided in **Appendix C**. The Project area was undeveloped until 1927, and then between 1928 and 1947, the land was used for agricultural purposes. No built features are occurred within the Project area until 1953 with the extant building at 737 Lairport Street (Carl Jacobson Way) (Building D). By 1964, both 650 and 700 North Pacific Coast Highway (Building A and Building B, respectively) were constructed. The site has been permanently altered for over 55 years and was previously graded to accommodate the existing structure foundations and parking uses. As evaluated in the Project Cultural Resources Memorandum, the Project site neither contains structures listed on the National Register of Historic Places or California Register of Historical Resources nor includes structures listed as a Los Angeles Historic–Cultural Monument. Building A and Building B were evaluated for inclusion in the California Register and recommended ineligible for listing under Criteria 1, 2, 3, and 4 both individually and as contributors to a historic district due to a lack of association with a historic context. Additionally, the resources were evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and they do not qualify as historic resources for the purposes of CEQA. As such, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources. Impacts in this regard are **less than significant impact**.

18.b) One California Native American tribe, the Gabrieleño Band of Mission Indians–Kizh Nation, has notified the City of El Segundo with a request to be notified of pending projects that are being reviewed in accordance with the City's local CEQA implementation procedures. A formal notification regarding this Project proposal and

the City's environmental review process was sent to this tribal entity on October 1, 2020, and the Kizh Nation submitted correspondence requesting further consultation.

The City met with the Gabrieleño Band of Mission Indians – Kizh Nation (Gabrieleño) to identify tribal cultural resources and tribal cultural places in accordance with Assembly Bill (AB) 52 (Chapter 532, Statutes of 2014) on December 9, 2020. Mr. Andy Salas and Mr. Matthew Teutimez of the Kizh Nation noted that El Segundo and the Project site are located in a region with several surrounding Native American villages and trade routes. Each village covered large areas, with oftentimes overlapping areas between villages to allow shared use of natural resources. The trade routes were used by the Gabrieleño to move trade items, including salt, which was produced in the region, and the routes were also used for visiting family, going to ceremony, and accessing recreation and foraging areas. At times isolated burials may occur within and around the routes which are not associated with a village community burial site or ceremonial burial site, but where the person died. While the Project is not located within a mapped route, as a result of the prior use of the region, the potential cannot be precluded that buried tribal cultural resources or an isolated buried remain may be encountered during the Project's new Building C foundation earthwork activities.

As a result, the following **Mitigation Measure TCR-1** will be implemented such that in the event of any discovery of unknown tribal cultural resources during earthwork, impacts would be **less than significant**.

Mitigation Measure TCR-1: Prior to the commencement of any ~~grading-related~~ ground disturbing activity at the Project site~~having the potential to unearth native soils (i.e., non-engineered fill)~~, the Project applicant shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians-Kizh Nation, the tribe that consulted on this project pursuant to Assembly Bill AB 52 (the "Tribe" or the "Consulting Tribe"). A copy of the executed contracts shall be submitted to the City of El Segundo Development Services Department prior to the issuance of any permit necessary to commence a ground-disturbing activity. The Tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching, within the project area. The Tribal Monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when all ground-disturbing activities on the Project site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project site have little to no potential for impacting Tribal Cultural Resources.~~that is culturally affiliated with the area to be present on-site during ground-disturbing activities in native soils. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983).~~

Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be assessed. All Tribal Cultural Resources unearthed by Project activities shall be evaluated by the Consulting Tribe approved Tribal monitor. ~~If tribal cultural~~

~~resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the Qualified Archaeologist or the Tribal Monitor.~~If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes.~~Upon discovery of~~ If human remains and/or grave goods are discovered or recognized at the Project site, all ground disturbance shall immediately cease, and the county coroner shall be notified per Public Resources Code Section 5097.98, and Health & Safety Code Section 7050.5. ~~the tribal and/or archaeological monitor/consultant/consultant will immediately divert work at minimum of 100 feet and place an exclusion zone around the discovery location.~~Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). Work may continue on other parts of the Project site while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section 15064.5[f]). ~~The monitor/consultant(s) will then notify the Tribe, the qualified lead archaeologist, and the construction manager who will call the coroner. Work will continue to be diverted while the coroner determines whether the remains are human and subsequently Native American. The discovery is to be kept confidential and secure to prevent any further disturbance. If the finds are determined to be Native American, the coroner will notify the NAHC as mandated by state law who will then appoint a Most Likely Descendent (MLD). If resources are discovered that are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate. The on-site monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources.~~

Timing/Implementation: *Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits*

Monitoring/Enforcement: *El Segundo Planning and Building Safety Department*

19. UTILITIES AND SERVICE SYSTEMS

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Explanation of Checklist Responses

19.a) The Project would involve renovation and minor alteration of two existing office buildings (Buildings A and B), as well as the construction of a 5-level office building with an integrated 7-level parking structure within portion of the Project site that is currently occupied by a surface parking lot. The result of the rehabilitation activities would be a net increase in 1,031 square feet in Building A, and net reduction of 4,572 square feet in Building B. The proposed construction of Building C would add approximately 70,921 square feet of office space to the Project site. Given the increase in intensity of office uses at the Project site, the Project would result in an increase in water demand, wastewater generation, and an increase in demand on other utilities, such as electricity, natural gas, and telecommunications. The Project site contains existing commercial office buildings that are currently served by these utilities.

Wastewater

Wastewater generated by the Project would be conveyed to the Sanitation Districts of Los Angeles County (the Sanitation Districts) Joint Water Pollution Control Plant (JWPCP), located at 24501 South Figueroa Street in Carson. The facility currently provides both primary and secondary treatment for approximately 400 million gallons of wastewater daily (mgd) and currently processes an average flow of 261.1 mgd. serving over 4.8 million residents, businesses, and industries. Before discharge, the treated wastewater is disinfected with hypochlorite and sent to the Pacific Ocean through a network of

outfalls. These outfalls extend 2 miles off the Palos Verdes Peninsula to a depth of 200 feet. The JWPCP must comply with its current National Pollutant Discharge Elimination System (NPDES) Permit, which regulates the plant's discharges. The Sanitation Districts issued the Project a Will Serve letter (Appendix I), confirming adequate capacity to serve the Project, based on an estimated generation of 36,945~~37,880~~ gpd. Additionally, as part of the entitlement review, El Segundo Public Works Department has indicated no concerns with the Project impacting the overall sewer system from the property. The Project may potentially upgrade the onsite private sewer line conveying wastewater from the site to the connecting trunk line on Maple Avenue. . As such, the Project would not require any change in the treatment protocol for Project-generated wastewater. . Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. Project impacts will be **less than significant**.

Storm Water Drainage

As discussed in Section 10, Hydrology and Water Quality, of this Initial Study, the existing storm drainage facilities, coupled with proposed improvements, including pervious pavers and on-site stormwater storage/infiltration basins would be adequate to accommodate Project runoff. No physical modifications to the existing municipal stormwater infrastructure in the Project vicinity would be required to handle the Project stormwater runoff. Further, short-term stormwater impacts, such as those resulting from construction activities and resulting sediment runoff from the Project site, would be regulated by the NPDES Construction General Permit. As discussed in Section 10, Hydrology and Water Quality, of this Initial Study, this permit requires identification of a variety of water quality control BMPs to be specified on construction plans and implemented throughout construction. Through compliance with existing, mandatory regulations regarding stormwater storage and treatment, potential water quality impacts during construction and operation would be avoided or reduced to less than significant levels and would avoid conflicts with water quality standards established by the Los Angeles Regional Water Quality Control Board. Thus, the Project would not require the construction or relocation of new or expanded stormwater facilities and would result in **no impact**.

Dry Utilities (Natural Gas, Electricity, Telecommunication)

Southern California Edison (SCE) and Southern California Gas Company (SoCalGas) provide electricity and natural gas services to the Project site, respectively. These electricity and natural gas providers service the existing commercial buildings on the Project site. As such, Project-related impacts would result from connection of existing natural gas and electricity service lines to the proposed Building C and parking structure, as well as outdoor lighting in the courtyard, common areas, and along pathways.

Regarding natural gas, no major upgrades to the delivery system are anticipated as a result of this Project because overall regional projections set forth by energy purveyors anticipate that energy demand will decline. As stated in the 2020 California Gas Report, prepared by the California Gas and Electric Utilities, natural gas usage by commercial uses in California is expected to decline at a rate of 1.7 percent per year from 2019 to

2035.[31] This is because of more efficient power plants, statewide efforts to minimize greenhouse gas emissions through demand-side reductions, more efficient building standards incorporated into the California Title 24 building code, and CPUC-authorized energy efficiency programs. Given such decline in natural gas demand, it is not anticipated that the Proposed Project would require any major reconstruction or relocation of off-site natural gas infrastructure. Should SoCal Gas determine that upgrades to existing natural gas infrastructure would be necessary, resulting from either the demand of the proposed project or cumulative demand increases, such off-site upgrade projects would be undertaken by SoCal Gas and would be subject to environmental review pursuant to CEQA.

Regarding electricity, the California Energy Commission (CEC) provides new forecasts for electricity demand every two years as part of the *Integrated Energy Policy Report* process. The most recent report was adopted in 2019 and states that energy demand is anticipated to increase over the next 10 years with the increase depending on economic and demographic growth, the rates of electrical rates, and how broadly energy efficiency programs are adopted. However, the CEC and individual electricity purveyors, such as SCE, review demand projections published in this report and plan for capacity improvements in their distribution systems, as necessary. Should SCE determine that upgrades to existing electrical energy infrastructure would be necessary, resulting from either the demand of the proposed Project or cumulative demand increases, such off-site upgrade projects would be undertaken by SCE and would be subject to environmental review pursuant to CEQA. Attempting to estimate what environmental impacts may result from such electrical utility infrastructure improvements without knowledge of when and where the improvements would take place would be speculative.

Telecommunication services are provided to the existing office buildings on the Project site by private companies. Upgrades to the existing telecommunication infrastructure on the Project site would involve connecting the proposed Building C to existing telecommunications connections within the Project site and in adjacent streets. Upgrades to existing telecommunication facilities and construction of new facilities to meet the demand of users are determined by telecommunication providers and is subject to its own environmental review. Any traffic disruptions associated with telecommunication utility activities within the travel lanes would be addressed through routine traffic control measures. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area.

In summary, the Project would not result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities and impacts would be **less than significant**.

19.b) Water service is provided to the Project site by the City of El Segundo's Water Division, which is a partner of the West Basin Municipal Water District (WBMWD). The WBMWD provides wholesale potable water to 17 cities, serving approximately 900,000 people. According to the West Basin Municipal Water District's 2015 Urban Water Management Plan (UWMP), the 2020 water supply consists of: 19 percent groundwater; 52 percent

[31] California Gas and Electric Utilities. 2020. *2020 California Gas Report.*

imported water; 12 percent recycled water; 17 percent water conservation savings; and less than 1 percent desalinated water.[32] In compliance with legislative requirements, the UWMP details how West Basin manages its water supplies and demands under all hydrology conditions. The UWMP also demonstrates how West Basin proposes to meet its service area's retail demands over 25 years and provide long-term water reliability. According to the UWMP (**Table 3-1**), while the population within the WBMWD is anticipated to increase between 2020 and 2040, the overall baseline potable water demand in acre-feet per year is expected to decrease over this time period due to water efficiency measures implemented within the service area, as well as implementation of recycled water programs. The UWMP concluded that West Basin does not anticipate any shortages and will be able to provide reliable water supplies under both single dry year and multiple dry year conditions. No new water supply, storage, or distribution facilities are identified in the UWMP to address water demands in El Segundo. Under Water Code Section 10912, the Project is not subject to a water supply assessment since the Project does not meet the commercial office building criteria to: add more than 1,000 persons; or add more than 250,000 square feet of floor space. The City's Public Works Department has provided indication, and found the Project Will Serve letter acceptable that the existing water service infrastructure serving the Project site is sufficient to meet the Project's estimated net increase in water demand of 15,363 gallons per day (gpd) and of sustaining a minimum pressure of 50 pounds per square inch (psi). Therefore, while the Project would result in an increase in water consumption given the increase in commercial square footage on the Project site, the Project would not require the construction or relocation of new or expanded water facilities and impacts would be **less than significant** and no mitigation measures are required.

As discussed above, the West Basin Municipal Water District's 2015 UWMP concluded the City would be able to rely on the groundwater, imported water recycled water, water conservation savings and desalinated water supplies within the District. Specifically, the West Basin Municipal Water District states in the UWMP that it does not anticipate any shortages and will be able to provide reliable water supplies under both single dry year and multiple dry year conditions through 2040. Accordingly, there would be sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry and multiple dry years. Therefore, impacts to water supplies would be **less than significant.**

19.c) As discussed above, the Sanitation Districts issued the Project a Will Serve letter (Appendix I), confirming adequate capacity to serve the Project, based on an estimated generation of 37,880 gpd. Additionally, as part of the entitlement review, El Segundo Public Works Department has indicated no concerns with the Project impacting the overall sewer system from the property. Therefore, impacts to wastewater treatment would be **less than significant**.

19.d, e) Once operational, solid waste generated by the Project would consist of typical waste from a commercial office building. Project-generated wastes would continue to be accepted by the same multiple refuse disposal facilities that currently receive El Segundo's municipal solid wastes. In 2019, El Segundo disposed of approximately 46,016 tons of solid waste, as reported to the California Department of Resources Recycling

[32] West Basin Municipal Water District. 2016. *2015 Urban Water Management Plan.*

and Recovery (CalRecycle 2020). Approximately 30 percent was taken to the El Sobrante Landfill, which has a cease operations date of January 1, 2051. Approximately 17 percent of this waste was taken to the Simi Valley Landfill & Recycling Center, which has a cease operations date of March 31, 2063. The proposed Project would result in a minor increase in solid waste as a result of the net increase in commercial office space. Specifically, with a net increase in 66,480 square feet, the Project would result in an increase of approximately 404 lbs per day.[33] Furthermore, as applicable, the Project would comply with Senate Bill 1018 (Chapter 39, Statutes of 2012), Mandatory Commercial Recycling, which requires a business that generates 4 cubic yards or more of commercial solid waste per week to arrange for recycling services. Because landfill capacity is closely monitored by the Los Angeles County Sanitation District, the landfills that serve the City of El Segundo would have sufficient remaining capacities to absorb the solid waste increase resulting from the Project.

It should also be noted that the City has completed a comprehensive Source Reduction and Recycling Element (SRRE) in compliance with Assembly Bill (AB) 939, which requires every city in California to reduce the waste it sends to landfills. As of 2006, El Segundo was recycling 84 percent of its solid waste, thereby complying with the standards established by AB 939, which required cities to reduce waste disposal at landfills by 50 percent by the year 2000.

In addition, the City and/or the Project would be required to comply with federal, State, and local management and reduction statutes and regulations related to solid waste to ensure that the solid waste stream diverted to landfills and recycling facilities is reduced in accordance with existing regulations. For example, the California Green Building Code requires that at least 50 percent of all nonhazardous construction wastes be recycled and/or salvaged, rather than transported to a landfill for disposal.

Finally, the Project would be required to comply with adopted programs and regulations pertaining to solid waste. Thus, participation in the City's recycling programs during construction and operation would ensure that the Project would not conflict with federal, state, and local statutes and regulations related to solid waste. Accordingly, the Project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, impacts related to solid waste generation would be **less than significant**.

[33] California Department of Resources Recycling and Recovery, 2020. *Estimated Solid Waste Generation Rates.*

20. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Explanation of Checklist Responses

20.a) The Project site is not located within or adjacent to a Very High Fire Hazard Severity Zone (VHFHSZ), as designated by the California Department of Forestry and Fire Protection.[34] The nearest VHFHSZs to the Project site are isolated areas located north of the Project site (the Ballona Wetlands Ecological Reserve and the Inglewood Oil Field (located 3.5 miles and 5 miles north of the Project site, respectively). The closest large fire hazard area is the Palos Verdes Peninsula, located 8 miles south of the Project site. The Project property is situated in a fully urbanized area with an urban street network, fully pressurized water system, and managed landscaping limited to decorative trees and shrubs. As such, wildland fires would not occur on or near the Project site. Regardless, in the event of any disaster warranting evacuation, the emergency routes used would depend on a number of variables, including the type, scope, and location of the incident. It is the responsibility of emergency service and/or appropriate public officials to adequately assess the situation so that safe and efficient evacuation routes are selected. As the Project site is in a fully urbanized area with a major arterial street (i.e., Pacific Coast Highway) and a major highway (I-105) within close proximity, the proposed Project would not substantially impair an adopted emergency response plan or emergency evacuation plan, and **no impact** would occur.

20.b) As the Project site is not within or near a VHFHSZ, the proposed Project would not have the potential to expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire due to slope, prevailing winds, and other factors,

[34] California Department of Forestry and Fire Protection, 2020. *Fire Hazard Severity Zone Viewer*.

or exacerbate wildfire risks. As such, the Project would result in **no impact** that would exacerbate wildfire risks and expose occupants to pollutants released from a wildfire.

20.c) The proposed Project would not require the installation or maintenance of associated infrastructure in or near a state responsibility area or VHFHSZ that may exacerbate fire risk or result in temporary or ongoing impacts to the environment. As such, **no impact** would occur.

20.d) The Project site is within a relatively flat, urbanized area that is adjacent to existing commercial and industrial structures. The Project would not expose people or structures to significant risks in or near a state responsibility area or VHFHSZ, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. As such, **no impact** would occur.

21. MANDATORY FINDINGS OF SIGNIFICANCE

Would the project:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

Explanation of Checklist Responses

21.a) As discussed in checklist responses 3.a–d and 13.a–c, the proposed Project would generate less than significant emissions of criteria air pollutants and less than significant noise levels during the demolition, renovation, and construction phases and over the operating life of the office campus. With adherence to regulatory requirements, air quality and noise impacts would not be significant and would not result in a degradation of the quality of the urbanized environment in which the Project is proposed. The existing Project site has been fully developed, and there are no sensitive biological resources on or near the Project site, and as discussed in checklist responses 4.a–f, the Project would have no impact on fish or wildlife populations, nor would it eliminate any habitat or biological resources that could reduce the number or range of rare or endangered species. In addition, as discussed in checklist responses 5.a–c, no local, state, or federally designated examples of major periods in California history or prehistory have been identified on the site or in the vicinity. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. The Project would have a **less than significant impact** and the Project would not result in a mandatory finding of significance in this regard.

21.b) A significant cumulative impact may occur if a project, in conjunction with related projects, would result in impacts that are less than significant when viewed individually but would be cumulatively significant when viewed together. In addition to this Project, there are currently 17 other development projects (refer to Appendix J, Cumulative Projects List) in various areas of El Segundo that have been proposed and approved

but have not been completed. These consist of nine projects currently in construction and eight with pending entitlements. These other projects include a range of land uses types and intensities, including other office buildings, a total of 278 residential units, a golf pro shop and driving range, office/warehouse/retail uses, a computer data center, and several expansions of existing office and industrial uses. The nearest project is a pending entitlement for a zone change and General Plan Amendment to multi-family residential uses for 15 dwelling units located approximately 1,000 feet southwest of the Project site, However, when considering the proposed Project in combination with other past, present, and reasonably foreseeable future projects in the vicinity of the Project site, the proposed Project does not result in environmental impacts that would incrementally contribute to a significant cumulatively impact. As detailed in the preceding checklist responses, the proposed Project would not result in any significant and unmitigable impacts in any environmental categories. The Project would be consistent with regional plans and programs that address environmental factors such as air quality, energy, greenhouse gases, hydrology and water quality, transportation, utilities, and other applicable regulators that have been adopted by public agencies. Additionally, in many cases, including aesthetics, agriculture, biological resources, cultural resources, geology, hazards, hydrology, land use, population and housing, public services, mineral resources, noise, recreation, tribal cultural resources, and wildfire, the impacts associated with the Project are either localized to the Project site or are of such a negligible degree that they would not result in a considerable contribution to any significant cumulative impacts. In the case of population and housing, a conservative assumption that 5 percent or 23 of the new employees may relocate to the Project area was analyzed, which concluded that adequate housing is available in the Project area. Further, when considered with the cumulative project scenario, which includes the addition of 278 residential units, the additional new housing from current and future projects would further ameliorate any effects in Project housing. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As such, cumulative impacts would be **less than significant (not cumulatively considerable)** and the Project would not result in a mandatory finding of significance in this regard.

21.c) As discussed in checklist responses 3.a–d and 13.a–c, the proposed Project would generate less than significant emissions of criteria air pollutants and TACs, and less than significant noise levels during the demolition, renovation, and construction phases and over the operating life of the office campus. With adherence to regulatory requirements for air quality and noise, these impacts would not cause substantial adverse effects on humans. As discussed in checklist responses 9.a–b, based on the environmental site assessments conducted on the Project site, mitigation measures HAZ-1 and HAZ-2 would manage, potentially remediate, and protect against prior environmental contamination from past land use activities, such that the proposed office building uses would not result in significant hazards associated with the storage, use, transport, or disposal of hazardous materials or wastes. Lastly, the proposed zone text amendment, which would exclude parking area from the floor area (net)~~FAR~~ calculation, would not have any impact upon this issue area. As a result, the Project, including the proposed zoning code amendment, would have a **less than significant impact** and the Project would not result in a mandatory finding of significance in this regard.

Figures

11/4/2020 JN H:\pdata\180711\GIS\MXD\Figure 1 Regional Vicinity.mxd

Michael Baker INTERNATIONAL

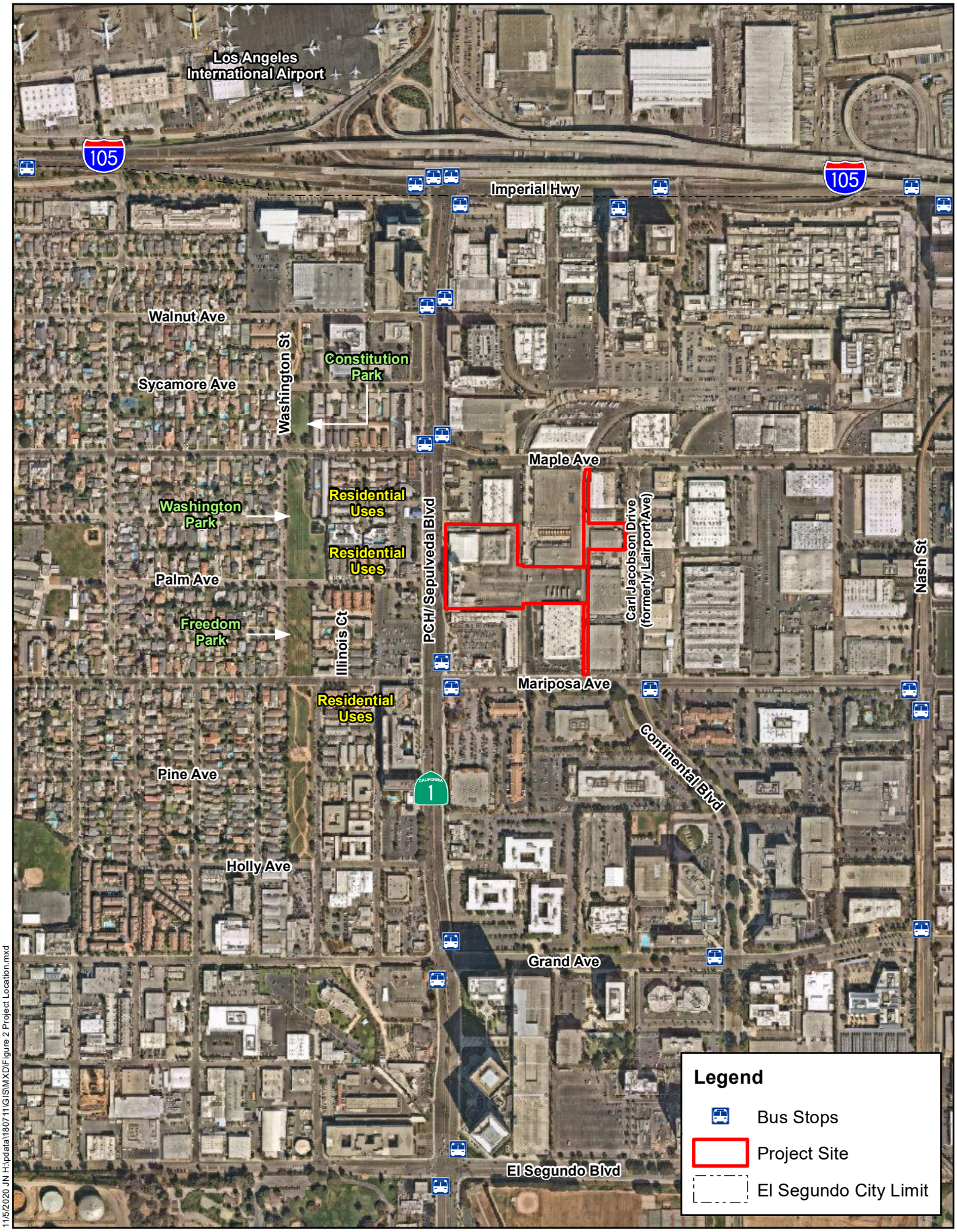
0 0.5 1 2 Miles

Source: ESRI World Street Map Service; Los Angeles County GIS

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Regional Location

Figure 1



11/5/2020 JN H:\pdata\180711\GIS\MXD\Figure 2 Project Location.mxd

Michael Baker INTERNATIONAL

0 350 700 Feet

Source: Los Angeles County GIS; LA Metro; Nearmap Map Service

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Vicinity

Figure 2

11/9/2020 JN H:\pdata\180711\GIS\MXD\Figure 3 Project Site.mxd

Michael Baker INTERNATIONAL

0 175 350 Feet

Source: Los Angeles County GIS; LA Metro; Nearmap Map Service

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Site

Figure 3

Aerial view of the Project site area facing northwest, showing existing and adjacent warehouse and commercial uses.

View facing northeast, showing Building A frontage along PCH.

View facing southeast showing Building B and Building A frontage along PCH.

View facing west from the future Building C location showing the east sides of Building A and Building B.

11/6/2020 JN H:\pdata\186071\GIS\MXD\Figure XX Template 11x17L.mxd

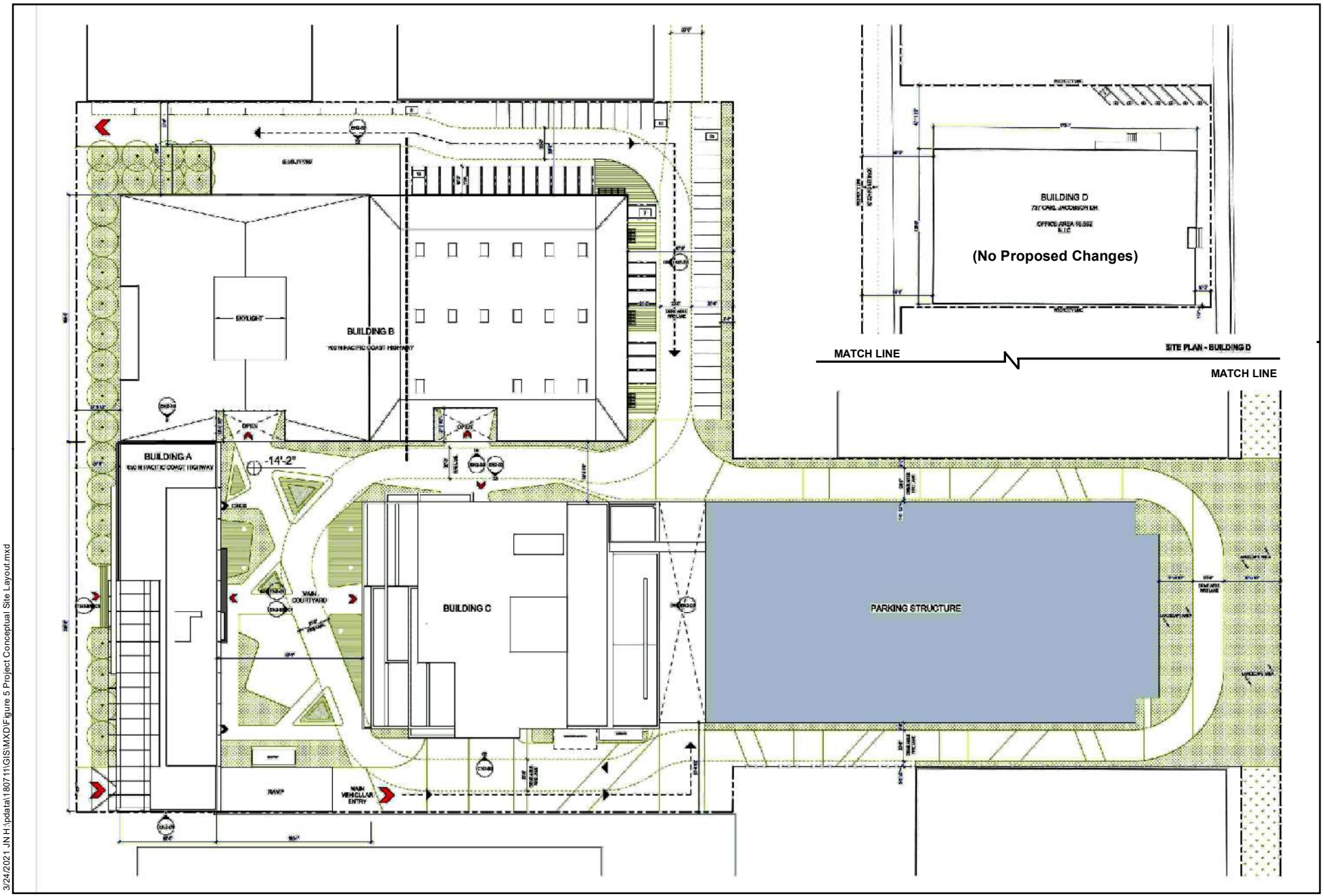
Michael Baker INTERNATIONAL

Source:Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Site Plan Use

Figure 4



3/24/2021 JN H:\pdata\180711\GIS\MXD\Figure 5 Project Conceptual Site Layout.mxd

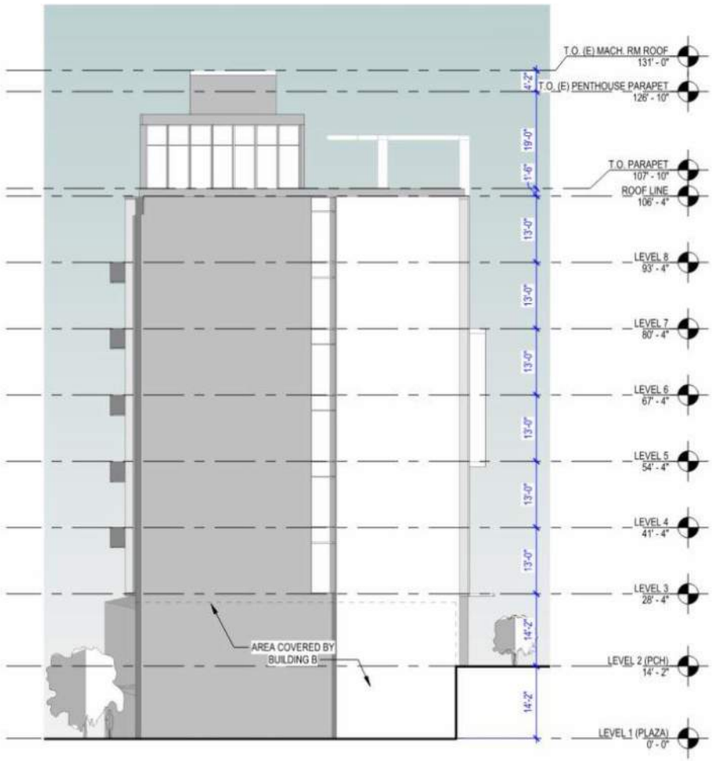
Michael Baker INTERNATIONAL

Source: Shubin Doladson Architects (July 2020)

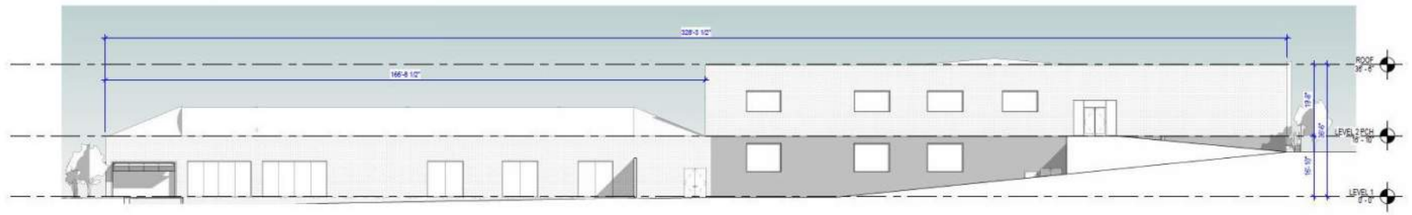
650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Conceptual Site Layout

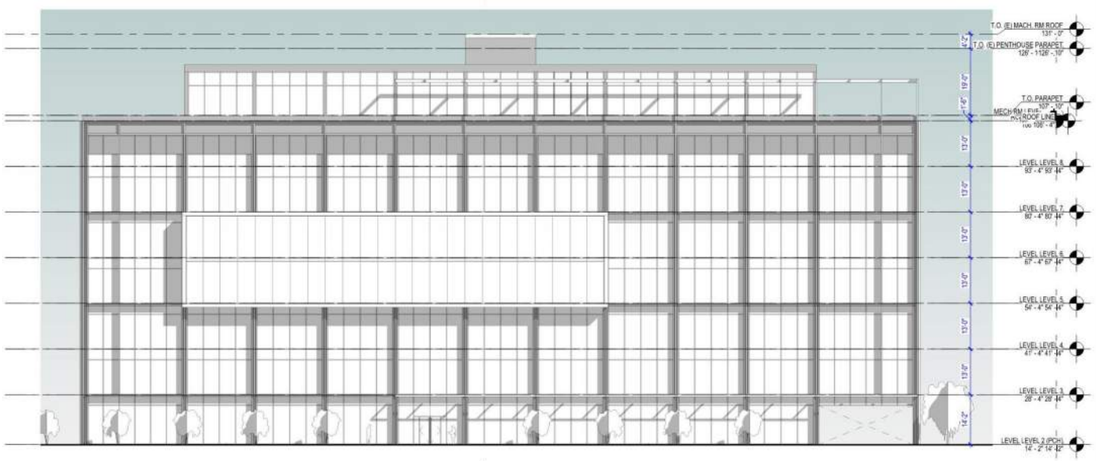
Figure 5



View towards Building A from the north, showing elevation and profile.



View towards Building B from the north, showing elevation and profile.



View towards Building A from the west, showing elevation and profile.

View towards Building B from the west, showing elevation and profile.

11/9/2020 JN H:\pdata\180711\GIS\MXD\Figure XX Template 11x17L.mxd

Michael Baker INTERNATIONAL

Source: Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

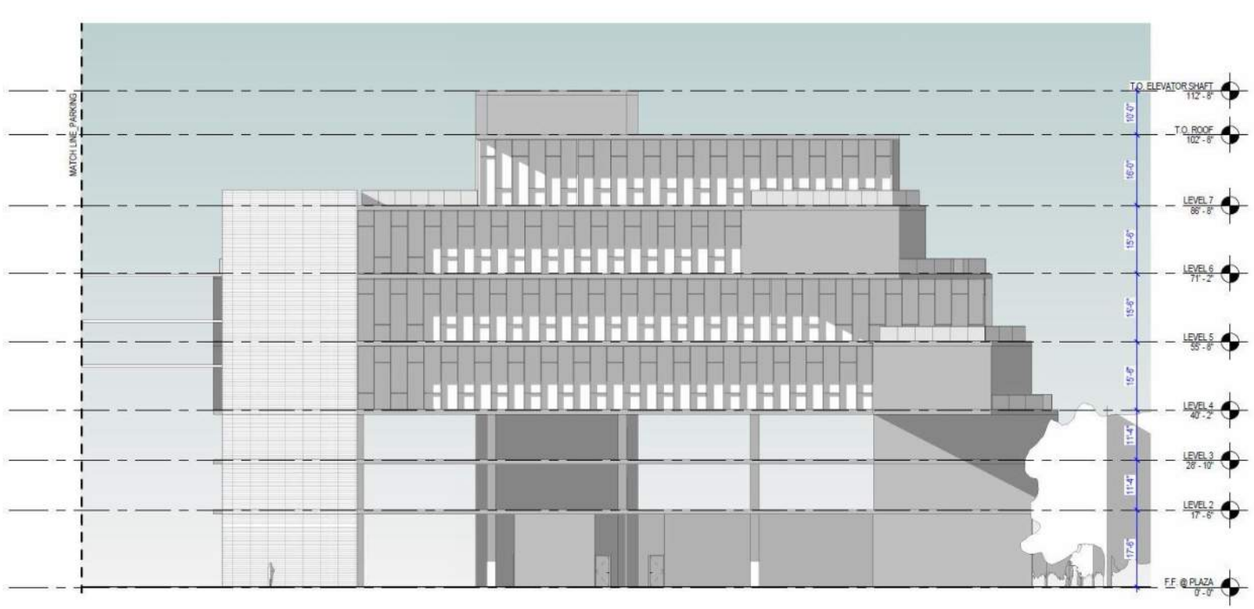
Building A and Building B (Renovations) Elevations

Figure 6a

View towards Building C from the east, showing elevation and profile.

View towards Building C from the south, showing elevation and profile.

View towards Building C from the west, showing elevation and profile.



View towards Building C from the north, showing elevation and profile.

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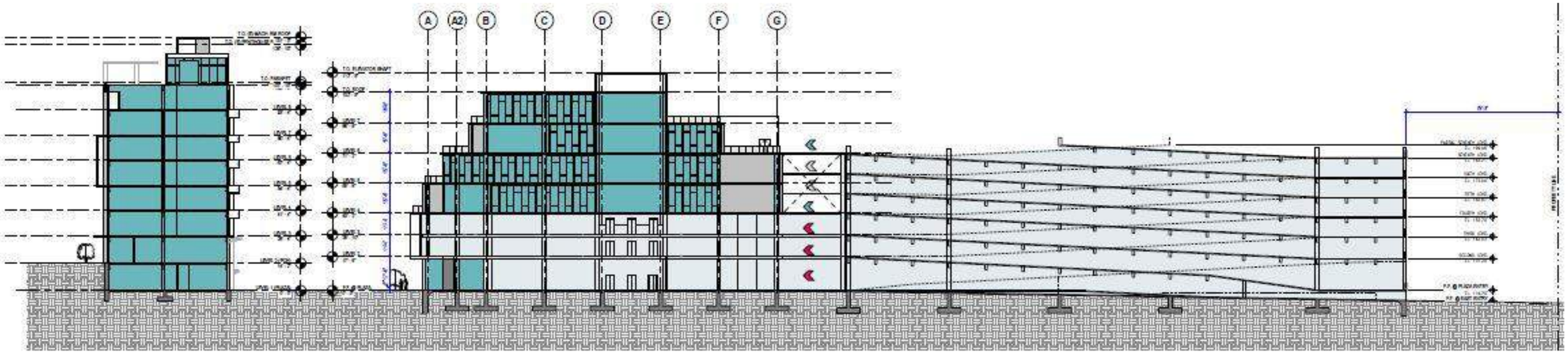
Michael Baker INTERNATIONAL

Source: Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Building C (New Construction) Elevations

Figure 6b



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Michael Baker INTERNATIONAL

Source: Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Building A and Building C Cross-Sections (View North)

Figure 6c

Forward facing view of Building A frontage along Pacific Coast Highway/Highway 1/Sepulveda Boulevard showing the proposed improvements.

View facing northwest, showing the east side of Building A, western extent of Building C (new), and the main courtyard.

Traveling south on PCH, showing the northwest views of Building A and Building B.

View facing southwest from the northwest corner of Building C, showing the east side of Building A, and the main courtyard.

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Michael Baker INTERNATIONAL

Source: Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Renderings, Buildings A, B, and C

Figure 7a

Looking north from PCH

Looking north from PCH

Looking north from PCH

Looking north from PCH

11/12/2020 JN H:\data\180711\GIS\MXD\Figure XX Template 11x17L.mxd

Michael Baker INTERNATIONAL

Source:

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Renderings, Buildings A and C

Figure 7b

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Michael Baker INTERNATIONAL

Source: Shubin Donaldson Architects (07/20)

650 NORTH PACIFIC COAST HIGHWAY PROJECT

Project Landscaping

Figure 8

APPENDIX A
Glare Study

Glare Study

for the

Proposed Renovation of

650 North Pacific Coast Highway (PCH)

El Segundo, California

James R. Benya, PE, FIES, FIALD

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Davis, CA

January 4, 2021

Introduction

This study is to determine whether the west-facing façade (part of proposed renovations) for the existing 7-story building at 650 North Pacific Coast Highway (Sepulveda)[1] would create a new source of substantial light and glare which would adversely affect day or nighttime views in the area.

Figure 1 Existing Facade 650 NPCH

The existing building has an estimated 15% window to wall ratio. The proposed new façade increases the window wall ratio to over 80%. Considering the number of cases in which reflected glare from new glass facades has created glare that caused damage to adjacent buildings and affected the use of adjacent property, the impact that this proposed façade might create raises legitimate concerns.

Figure 2 Proposed New Façade 650 NPCH

[1] For the purposes of this report, Pacific Coast Highway (Sepulveda) will be referred to as "PCH" and the 7-story building being renovated will be referred to as "650 NPCH".

Glare

The Illuminating Engineering Society is the only ANSI-certified standards-writing trade association in the general field of light and lighting. In their Lighting Handbook, IES describes glare this way.

> *"Glare occurs in two ways: luminance is too high, or luminance ratios are too high. First, it is possible to have too much light. Too much light produces a simple photobiotic response in which the observer squints, blinks or looks away. Too much light is common in full sunlight. The only solution to the problem is to reduce the retinal illuminance by obscuring a bright part of the visual field – by wearing a cap with a brim – or by lowering the luminance of the of the whole visual field – by wearing sunglasses. Second, glare occurs when the range of luminance in a visual environment is too large. Glare of this sort can have two effects: a feeling of discomfort and a reduction in visual performance."*[2]

The glare that might be associated with the new façade on 650 NPCH is of the first kind (too much light caused by full sunlight). This is because window glass acts like a mirror. A specular[3] reflection of sunlight from the new window glass facing due west will cause sun reflections after noon to be in the westward direction at a time when solar glare will normally be in the eastward direction. The significant increase in the amount of glass will cause more reflections and at more angles than the current windows cause.

In the past decade, solar reflections from new buildings have caused several well publicized sunlight reflection problems:

- The Vdara Hotel, Las Vegas
- The Nasher Museum Sculpture Garden, Dallas
- 20 Fenchurch Street (the "Walkie Scorchie"), London
- The Disney Concert Hall, Los Angeles

The first three were the direct result of sunlight reflected from window glass. The Disney Concert Hall was the result of a polished metal skin on the building.

The Proposed Project

The proposed project is a renovation and expansion of the existing office building and surrounding structures described on Page 2. Architects supplied complete drawings and

[2] Chapter 4.10, "Glare", **Illuminating Engineering Society IES Lighting Handbook**, 10th Edition, New York 2011.
[3] "Relating to or having the properties of a mirror", Oxford English Dictionary via Google

elevations for our review. They were then asked to describe the project and the windows and cladding to be used. Their response was as follows:

"The Project is comprised of 3 different buildings, two are existing ('650 PCH-Building A' and '700 PCH-Building B'), and one is new construction ('Building C'). Building A is a 9-story office building that will be reclad in a predominately all glass curtain wall on the east and west elevations, and will maintain a predominately solid, painted concrete north and south elevation. Although a manufacturer has not yet been chosen, all of the glass proposed for the east and west elevations will be low-E, highly transparent in nature. Visible reflectivity on the glass will be held to a minimum, as the general aesthetic of the building is to be "see-through". Any metal cladding on the curtain wall system will be finished with Aluminum Composite Panels (ACP), with matte white or matte, clear anodized aluminum finish. The painted concrete on the north and south elevations will be painted with low sheen paint and clad limitedly in matte finish Aluminum Composite Panels (ACP)with matte white or matte, clear anodized aluminum finish.

Building B is an existing 2 story masonry building (only 1 story high along PCH). Very little façade work is planned for this building. It is proposed that the existing red brick will be stained with a full body, solid stain. Color will be dark grey, and the sheen will be ultra-flat.

Building C will be a new 7 story office building that will be built the east (and behind) the 9 story 650 PCH building. Generally speaking, Building C will not be visible from PCH or any of its residential neighbors to the west. Similar to the Building A, Building C will predominately be clad in glass curtainwall. It will be low-E and highly transparent in nature. Visible reflectivity on the glass will be held to a minimum, as the general aesthetic of the building is to be "see-through". Any metal cladding on the curtain wall system will be finished with ACP, with matte white or matte, clear anodized aluminum finish.

We plan no lighting out of the ordinary for a typical office building of this scale. The project is three separate buildings. The building that will have the most exposure to general public and possible residential exposure will be Building A. Mostly all the artificial lighting on that building exterior will be from light emitting from the interior environment. The entry areas and exit doors will have minimal El Segundo City code required lighting for safety and security that will be directed downwards and shielded to minimize spill and glare to adjacent properties. The north and south sides of the building will have lighting for visibility from PCH. These lights will be shielded with a focused light distribution directed towards the building to minimize spill and glare. The roof terrace will have well shielded, low lumen downlighting and landscape tree lighting. Building B will have minimal, downward directed entry, exit and perimeter lighting for safety and to meet El Segundo City codes. Building C will have low level lighting for safety at exterior terraces. The courtyard that connects the 3 buildings of the campus will have lower-level pole lighting and low lumen landscape and feature lighting to provide a safe nighttime environment for people to move between buildings. This courtyard is surrounded on all sides by the buildings and a perimeter site wall so no light will spill to adjacent properties or be visible from offsite.

At a minimum, we will design per Cal Green requirements, which are some of the most forward thinking and environmentally considerate design parameters in the country. We will be utilizing a new Variable Refrigerant Flow (VRF) HVAC system which allow for both heating and cooling

within the space. This system is known to exceed Title 24 efficiency compliance and does not require any gas usage. All lighting will be on control systems with auto daylight dimming and light fixtures will be the state of the art, LED type which exceed CALGreen and Title 24 energy compliance. All plumbing fixtures will have low flow and auto sensors for water conservation, and again, will be equal to or outperform Title 24 compliance."

Electric lighting issues were immediately ruled out based on the Architect's description. No significant amount of glare will be caused by buildings other than building "A" (650 NPCH). Attention was focused on solar reflections from the windows on its prominent west curtain wall.

Direction of Reflected Light

Because the curtain wall faces west, all reflections will be to the west of the building front and will be in the general north-south direction of the actual sunlight but in the opposite of the normal east-west direction. Using a solar calculator, it is possible to predict the exact direction of sunlight on any given date and time and it is reasonably easy to the direction of sunlight reflected by them. Of course, on cloudy days there will be no reflection of the sun, only that of the clouds.

The angle of the reflected sunlight will constantly change with the "movement" of the sun[4] and, when standing still and staring at the new 650 NPCH facade, the sun's reflected image will appear to move across the facade. The solar angle at noon ranges from a low elevation of 32 degrees on the winter solstice to almost 80 degrees at the summer solstice, which means that the mid-day summer reflections will be down onto the sidewalk and street, and winter impacts will reach further and exhibit longer shadows. The setting sun in the west will be reflected too, at the same time as the actual sunset

To illustrate where the reflected light will be directed, the following generally illustrates the impacts at each point for the instant when the viewer is at the exact angle to see the reflection. The following times were selected to illustrate the range of impacts and their daily and seasonal variety:

- When viewing a point near the top of the building at about 12:30 pm each day, the reflection will be towards the north-northwest along PCH. In summer, the reflection will be onto the sidewalk about 30' north of the viewpoint; in fall and spring, the reflection will be onto the outer northbound lane of PCH about 100' beyond the building; and in the winter, the reflection will be onto the inner northbound lane of PCH about 240' beyond the building. Throughout the morning, the reflections will move to the northwest, but will not directly affect buildings across PCH.

[4] The apparent movement of the sun is the result of the earth's daily rotation on its axis and its annual path around the sun.

- When viewing the center of the building near the top at 3:00 pm each day, the reflection will be across PCH towards the E. Palm intersection. In summer, the reflection will be directly into the eyes of a motorist or cyclist facing east towards the building; in spring and fall, that reflection will occur to the left of center and at a point about 1 story below the top; and in the winter, that reflection will strike the roof of the Carl's Junior across the street. As the afternoon wears on, the reflections will rotate south towards the Carl's Junior parking lot.
- At 25 minutes before sunset, in the summer the setting sun will be reflected in the general direction of the east facing windows of apartments at 600-620 Illinois Ct. In the spring and fall the reflection will be west along E. Palm Ave and towards the east facing windows on the upper stories of apartments at 1630 and 1637 E. Palm. In the winter, the reflections will be towards the upper floor apartments at 1637 E. Palm and 716 Indiana Ct.
- Due to trees and buildings, glare visible in and to the west of Washington Park will be minimal and even less impactful than the glare described above.

The reflection will only last about 5-10 minutes at each point of view as the "movement" of the sun will cause of the reflection to move across the 650 NPCH façade before shifting to the south until sunset.

Intensity of Reflected Light

Although all window glass will have specular reflections, the percentage of reflected light varies depending on coatings that are applied to the glass during the float process. These coatings are a thin metallic or metallic oxide layer deposited on the glass. The layer will alter the color of the glass, the amount of reflected light from the glass, and the amount of infrared energy that is either reflected away or passed into the building. In this way, windows are used to manage solar heat, an important element in building energy efficiency. Choosing the proper window glass and coatings is one of the most important decisions made by architects, as their choices affect both the appearance and the efficiency of the building. For office building curtain walls, two window panes are held together with an air gap for insulation and are called a commercial glazing unit.

There are two distinctively different types of commonly used commercial glazing units:

- ***Reflective glass windows*** that look like a mirror from the outside. They reduce both the amount of infrared light and the visible light entering the building. They can also impart coloration if a tint is used. Reflective glass windows are generally silver in appearance but can also be tinted blue, green, gold or bronze.
- ***Low-emissivity ("low-e") windows*** that are clear or slightly tinted in appearance. Low-e windows reflect infrared light but permits visible light to enter the building.

In both cases, the inside surface of the outer pane is coated with the metal oxide layer. Both panes are typically clear glass, although tinted glass can also be used. Generally, the low-e windows are more desirable because they allow significantly more visible light into the building and render a more realistic view. Reflective glass, while impressive in appearance, reduces interior light and view. From the architects' comments and desire to have a "clear" view through the building, the appropriate windows will be a low-e type with high visible light transmission (VLT) and low visible light reflection (VLR).

To reduce the glare of a reflected solar image, commercial glazing units with a VLR value of between 8 and 13% will reduce the glare in the reflection by 87-92%. The windows will appear as rendered by the architects (Figure 2) especially if low-iron clear glass is used for both panes, and the impact of the glare will be much less than direct sunlight.

One other consideration is the building's use of polished metals. The architects' description of the other building finishes does not suggest any large areas that will create mirror like reflections on a scale for which concern is warranted.

Summary

In summary, solar reflections from the facade's window glass will cause modest glare throughout the afternoon and into the evening along PCH and onto the retail properties, parking lots and nearby apartments to the west of 650 NPCH. However, the impact will be about 10% of the normal impact that occurs due to direct sunlight in the morning at the same locations, which is visually the equivalent of wearing dark sunglasses for attenuating the glare. As long as the window glass complies with the characteristics described above, the impact of the new glass curtain wall relative to glare will be much less than significant.

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APPENDIX B
Air Quality and Greenhouse Gases Assessment

AIR QUALITY, ENERGY, AND GREENHOUSE GAS EMISSIONS IMPACT ANALYSIS

THE 650 PCH PROJECT

CITY OF EL SEGUNDO

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Project No. 20091

January 28, 2021

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ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
Air Basin	South Coast Air Basin
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BSFC	Brake Specific Fuel Consumption
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFCs	chlorofluorocarbons
Cf_4	tetrafluoromethane
C_2F_6	hexafluoroethane
C_2H_6	ethane
CH_4	Methane
City	City of El Segundo
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon dioxide equivalent
CPUC	California Public Utilities Commission
DPM	Diesel particulate matter
EPA	Environmental Protection Agency
ºF	Fahrenheit
FTIP	Federal Transportation Improvement Program
GHG	Greenhouse gas
GWP	Global warming potential
HAP	Hazardous Air Pollutants
HFCs	Hydrofluorocarbons

IPCC	International Panel on Climate Change
kWhr	kilowatt-hour
LCFS	Low Carbon Fuel Standard
LST	Localized Significant Thresholds
MATES	Multiple Air Toxics Exposure Study
$MMTCO_2e$	Million metric tons of carbon dioxide equivalent
MPO	Metropolitan Planning Organization
MSAT	Mobile Source Air Toxics
MWh	Megawatt-hour
NAAQS	National Ambient Air Quality Standards
NO_x	Nitrogen oxides
NO_2	Nitrogen dioxide
O_3	Ozone
OPR	Office of Planning and Research
Pb	Lead
Pfc	Perfluorocarbons
PM	Particle matter
PM10	Particles that are less than 10 micrometers in diameter
PM2.5	Particles that are less than 2.5 micrometers in diameter
PPM	Parts per million
PPB	Parts per billion
PPT	Parts per trillion
RTIP	Regional Transportation Improvement Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Governments
SF_6	Sulfur Hexafluoride
SIP	State Implementation Plan
SO_x	Sulfur oxides
TAC	Toxic air contaminants
UNFCCC	United Nations' Framework Convention on Climate Change
VOC	Volatile organic compounds

1.0 INTRODUCTION

1.1 Purpose of Analysis and Study Objectives

This Air Quality, Energy, and Greenhouse Gas (GHG) Emissions Impact Analysis has been completed to determine the air quality, energy, and GHG emissions impacts associated with the proposed The 650 PCH Project (proposed project). The following is provided in this report:

- A description of the proposed project;
- A description of the atmospheric setting;
- A description of the criteria pollutants and GHGs;
- A description of the air quality regulatory framework;
- A description of the energy conservation regulatory framework;
- A description of the GHG emissions regulatory framework;
- A description of the air quality, energy, and GHG emissions thresholds including the California Environmental Quality Act (CEQA) significance thresholds;
- An analysis of the conformity of the proposed project with the South Coast Air Quality Management District (SCAQMD) Air Quality Management Plan (AQMP);
- An analysis of the short-term construction related and long-term operational air quality, energy, and GHG emissions impacts; and
- An analysis of the conformity of the proposed project with all applicable energy and GHG emissions reduction plans and policies.

1.2 Site Location and Study Area

The project site is located in the City of El Segundo (City) at 650 and 700 North Pacific Coast Highway and 737 Carl Jacobson Way. The approximately 7.2-acre project site is currently developed with office buildings and surface parking lots. The existing onsite improvements are detailed below:

- 650 N. P Pacific Coast Highway (Parcels 1 and 3 above) has an existing gross floor area of 128,544 square feet. Net floor area is 98,885 square feet.
- 700 N. Pacific Coast Highway (Parcels 4 and 5 above) has an existing gross floor area of 78,512 square feet. Existing net floor area is 69,692 square feet.
- 737 Carl Jacobson Way has an existing gross floor area of 17,000 square feet. The net floor area is 16,652 square feet. Please note that while 737 Carl Jacobson Way and the existing building on the property is a part of the property and the project, no changes are contemplated to this building at this time as there is an existing long-term tenant at this building.

The entire project site is bounded by a fast-food restaurant (Chick-fil-A) and industrial buildings to the north, industrial buildings to the east, a shopping center and an industrial building to the south, and Pacific Coast Highway to the west. The project local study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site are residents at the multi-family homes located as near as 270 feet west of the project site. The nearest school is Center Street Elementary School that is located as near as 1,800 feet (0.34 mile) west of the project site.

1.3 Proposed Project Description

The proposed project would involve the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes the demolition of the existing surface parking lot and construction of a new 7-story office building with an integrated parking structure ("Building C"). In addition, the project will consolidate the seven parcels of land into a single 7.258-acre ground parcel through the proposed Vesting Tentative Parcel Map No. 83129. The gross and net square footages for each building in the project are as follows:

- Building A: 130,526 gross square feet; 99,916 net square feet;
- Building B: 77,309 gross square feet; 65,120 net square feet;
- Building C: 122,156 gross square feet, inclusive of the terraces and balconies; 70,021 net square feet.

The project would provide a total of 1,256 parking spaces to serve the office uses at the property and potentially other nearby parcels that do not have adequate parking. The proposed Building C would provide parking within an integrated parking structure that will have 1,185 spaces. Also, the existing surface parking areas on the north and east side of Building B will remain. The surface parking areas include 51 existing standard parking space and 20 new standard parking spaces for a total of 71 standard parking spaces. The proposed site plan is shown in Figure 2.

1.4 Executive Summary

Standard Air Quality, Energy, and GHG Regulatory Conditions

The proposed project will be required to comply with the following regulatory conditions from the SCAQMD and State of California (State).

South Coast Air Quality Management District Rules

The following lists the SCAQMD rules that are applicable, but not limited to the proposed project.

- Rule 402 Nuisance – Controls the emissions of odors and other air contaminants;
- Rule 403 Fugitive Dust – Controls the emissions of fugitive dust;
- Rules 1108 and 1108.1 Cutback and Emulsified Asphalt – Controls the VOC content in asphalt;
- Rule 1113 Architectural Coatings – Controls the VOC content in paints and solvents; and
- Rule 1143 Paint Thinners – Controls the VOC content in paint thinners.

State of California Rules

The following lists the State of California Code of Regulations (CCR) air quality emission rules that are applicable, but not limited to the proposed project.

- CCR Title 13, Article 4.8, Chapter 9, Section 2449 – In use Off-Road Diesel Vehicles;
- CCR Title 13, Section 2025 – On-Road Diesel Truck Fleets;
- CCR Title 24 Part 6 – California Building Energy Standards; and
- CCR Title 24 Part 11 – California Green Building Standards.

Summary of Analysis Results

The following is a summary of the proposed project's impacts with regard to the State CEQA Guidelines air quality, energy, and GHG emissions checklist questions.

Conflict with or obstruct implementation of the applicable air quality plan?

Less than significant impact.

Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?

Less than significant impact.

Expose sensitive receptors to substantial pollutant concentrations?

Less than significant impact.

Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than significant impact.

Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation;

Less than significant impact.

Conflict with or obstruct a state or local plan for renewable energy;

Less than significant impact.

Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?

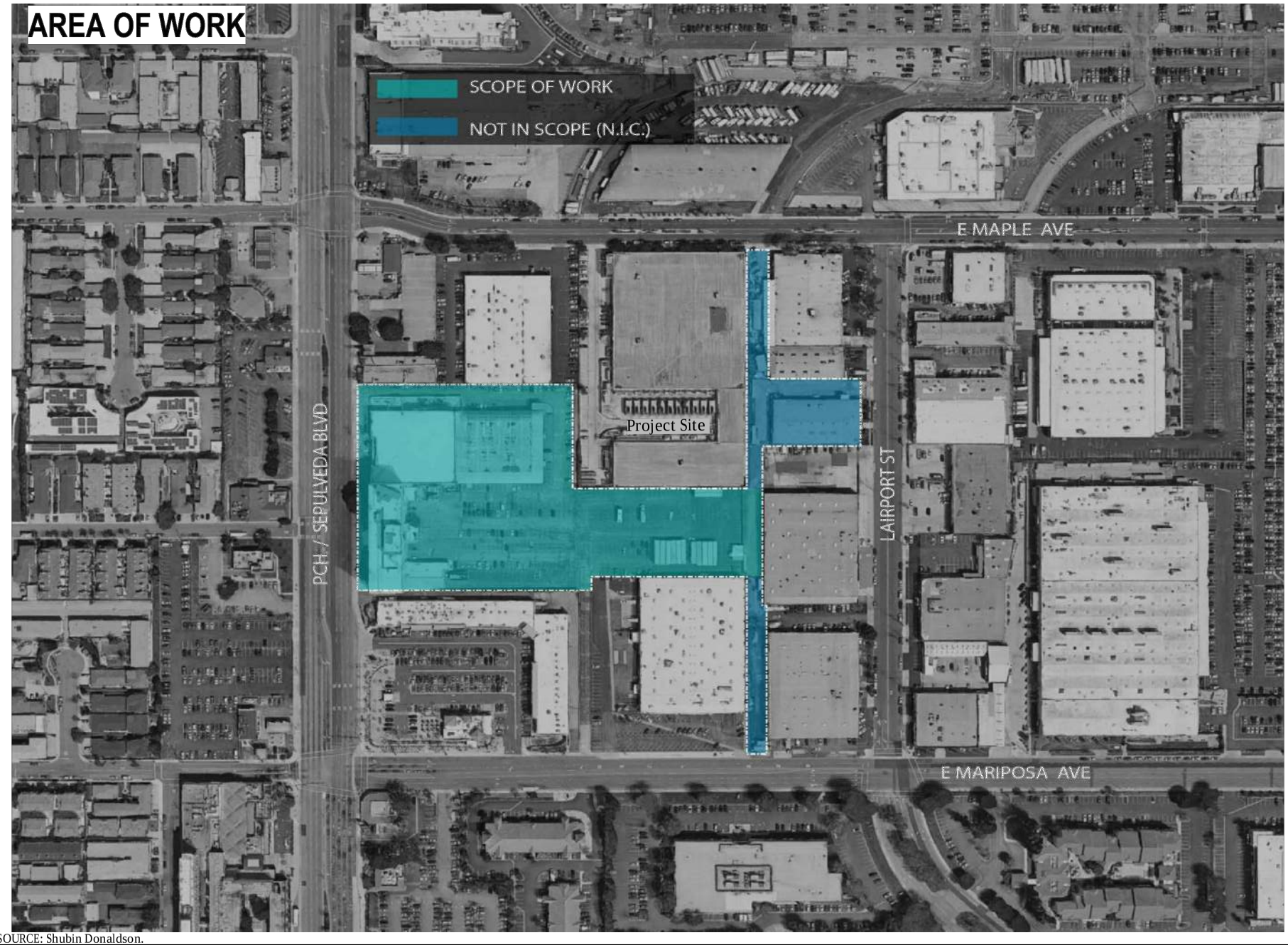
Less than significant impact.

Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs?

Less than significant impact.

1.5 Mitigation Measures for the Proposed Project

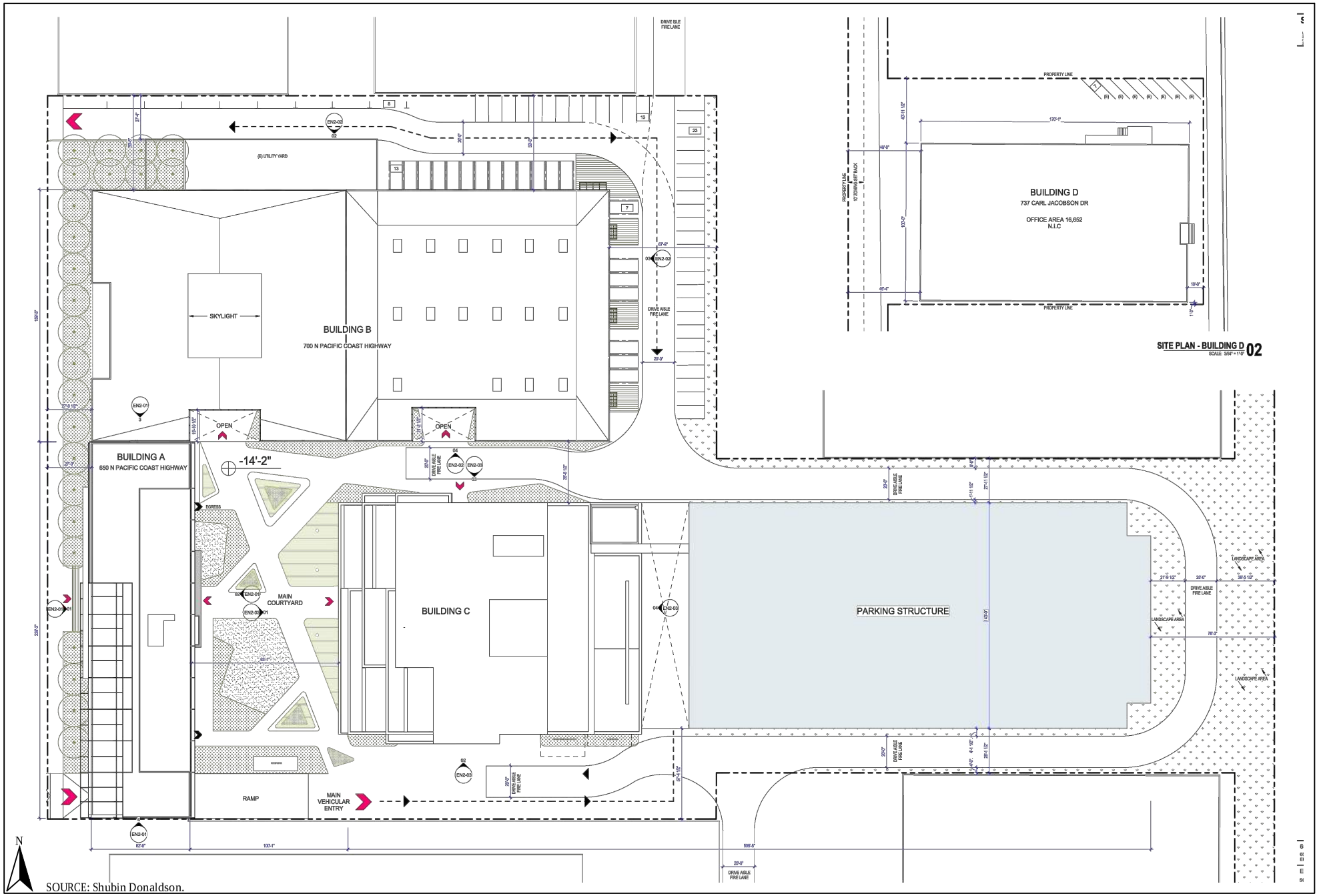
This analysis found that implementation of the State and SCAQMD air quality, energy, and GHG emissions reductions regulations were adequate to limit criteria pollutants, toxic air contaminants, odors, and GHG emissions from the proposed project to less than significant levels. No mitigation measures are required for the proposed project with respect to air quality, energy, and GHG emissions.



SOURCE: Shubin Donaldson.

VISTA ENVIRONMENTAL

Figure 1
Project Local Study Area



SOURCE: Shubin Donaldson.

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 AIR POLLUTANTS

Air pollutants are generally classified as either criteria pollutants or non-criteria pollutants. Federal ambient air quality standards have been established for criteria pollutants, whereas no ambient standards have been established for non-criteria pollutants. For some criteria pollutants, separate standards have been set for different periods. Most standards have been set to protect public health. For some pollutants, standards have been based on other values (such as protection of crops, protection of materials, or avoidance of nuisance conditions). A summary of federal and state ambient air quality standards is provided in the Regulatory Framework section.

2.1 Criteria Pollutants and Ozone Precursors

The criteria pollutants consist of: ozone, NO_x, CO, SO_x, lead (Pb), and particulate matter (PM). The ozone precursors consist of NO_x and VOC. These pollutants can harm your health and the environment, and cause property damage. The Environmental Protection Agency (EPA) calls these pollutants "criteria" air pollutants because it regulates them by developing human health-based and/or environmentally-based criteria for setting permissible levels. The following provides descriptions of each of the criteria pollutants and ozone precursors.

Nitrogen Oxides

Nitrogen Oxides (NOx) is the generic term for a group of highly reactive gases which contain nitrogen and oxygen. While most NOx are colorless and odorless, concentrations of NO_2 can often be seen as a reddish-brown layer over many urban areas. NOx form when fuel is burned at high temperatures, as in a combustion process. The primary manmade sources of NO_x are motor vehicles, electric utilities, and other industrial, commercial, and residential sources that burn fuel. NOx reacts with other pollutants to form, ground-level ozone, nitrate particles, acid aerosols, as well as NO_2, which cause respiratory problems. NO_x and the pollutants formed from NO_x can be transported over long distances, following the patterns of prevailing winds. Therefore, controlling NOx is often most effective if done from a regional perspective, rather than focusing on the nearest sources.

Ozone

Ozone is not usually emitted directly into the air but in the vicinity of ground-level is created by a chemical reaction between NOx and volatile organic compounds (VOC) in the presence of sunlight. Motor vehicle exhaust, industrial emissions, gasoline vapors, chemical solvents as well as natural sources emit NOx and VOC that help form ozone. Ground-level ozone is the primary constituent of smog. Sunlight and hot weather cause ground-level ozone to form with the greatest concentrations usually occurring downwind from urban areas. Ozone is subsequently considered a regional pollutant. Ground-level ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and can cause substantial damage to vegetation and other materials. Because NOx and VOC are ozone precursors, the health effects associated with ozone are also indirect health effects associated with significant levels of NOx and VOC emissions.

Carbon Monoxide

Carbon monoxide (CO) is a colorless, odorless gas that is formed when carbon in fuel is not burned completely. It is a component of motor vehicle exhaust, which contributes approximately 56 percent of all CO emissions nationwide. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Other sources of CO emissions include industrial processes (such as metals processing and

chemical manufacturing), residential wood burning, and natural sources such as forest fires. Woodstoves, gas stoves, cigarette smoke, and unvented gas and kerosene space heaters are indoor sources of CO. The highest levels of CO in the outside air typically occur during the colder months of the year when inversion conditions are more frequent. The air pollution becomes trapped near the ground beneath a layer of warm air. CO is described as having only a local influence because it dissipates quickly. Since CO concentrations are strongly associated with motor vehicle emissions, high CO concentrations generally occur in the immediate vicinity of roadways with high traffic volumes and traffic congestion, active parking lots, and in automobile tunnels. Areas adjacent to heavily traveled and congested intersections are particularly susceptible to high CO concentrations.

CO is a public health concern because it combines readily with hemoglobin and thus reduces the amount of oxygen transported in the bloodstream. The health threat from lower levels of CO is most serious for those who suffer from heart disease such as angina, clogged arteries, or congestive heart failure. For a person with heart disease, a single exposure to CO at low levels may cause chest pain and reduce that person's ability to exercise; repeated exposures may contribute to other cardiovascular effects. High levels of CO can affect even healthy people. People who breathe high levels of CO can develop vision problems, reduced ability to work or learn, reduced manual dexterity, and difficulty performing complex tasks. At extremely high levels, CO is poisonous and can cause death.

Sulfur Oxides

Sulfur Oxide (SOx) gases are formed when fuel containing sulfur, such as coal and oil is burned, as well as from the refining of gasoline. SOx dissolves easily in water vapor to form acid and interacts with other gases and particles in the air to form sulfates and other products that can be harmful to people and the environment.

Lead

Lead is a metal found naturally in the environment as well as manufactured products. The major sources of lead emissions have historically been motor vehicles and industrial sources. Due to the phase out of leaded gasoline, metal processing is now the primary source of lead emissions to the air. High levels of lead in the air are typically only found near lead smelters, waste incinerators, utilities, and lead-acid battery manufacturers. Exposure of fetuses, infants and children to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased lead levels are associated with increased blood pressure.

Particulate Matter

Particle matter (PM) is the term for a mixture of solid particles and liquid droplets found in the air. PM is made up of a number of components including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. Particles that are less than 10 micrometers in diameter (PM10) that are also known as *Respirable Particulate Matter* are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. Particles that are less than 2.5 micrometers in diameter (PM2.5) that are also known as *Fine Particulate Matter* have been designated as a subset of PM10 due to their increased negative health impacts and its ability to remain suspended in the air longer and travel further.

Volatile Organic Compounds

Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

VOC is not classified as a criteria pollutant, since VOCs by themselves are not a known source of adverse health effects. The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered toxic air contaminants (TACs). There are no separate health standards for VOCs as a group.

2.2 Other Pollutants of Concern

Toxic Air Contaminants

In addition to the above-listed criteria pollutants, toxic air contaminants (TACs) are another group of pollutants of concern. Under separate cover, we have prepared a health risk assessment, analyzing the potential health risks from nearby diesel emissions to the future residents that would live at the Project. TACs is a term that is defined under the California Clean Air Act and consists of the same substances that are defined as Hazardous Air Pollutants (HAPs) in the Federal Clean Air Act. There are over 700 hundred different types of TACs with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least 40 different toxic air contaminants. The most important of these TACs, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3-butadiene, and acetaldehyde. Public exposure to TACs can result from emissions from normal operations as well as from accidental releases. Health effects of TACs include cancer, birth defects, neurological damage, and death.

TACs are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of TACs with varying degrees of toxicity. Sources of TACs include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to *The California Almanac of Emissions and Air Quality 2013 Edition*, the majority of the estimated health risk from TACs can be attributed to relatively few compounds, the most important of which is DPM. DPM is a subset of PM2.5 because the size of diesel particles are typically 2.5 microns and smaller. The identification of DPM as a TAC in 1998 led the CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in DPM by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot." Diesel exhaust also contains a variety of harmful gases and over 40 other cancer-causing substances. California's identification of DPM as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to DPM is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other

serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

Asbestos

Asbestos is listed as a TAC by CARB and as a HAP by the EPA. Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. The nearest likely locations of naturally occurring asbestos, as identified in the *General Location Guide for Ultramafic Rocks in California*, prepared by the California Division of Mines and Geology, is located in Santa Barbara County. The nearest historic asbestos mine to the project site, as identified in the *Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California,* prepared by U.S. Geological Survey, is located at Asbestos Mountain, which is approximately 50 miles southeast of the project site in the San Jacinto Mountains. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos.

3.0 GREENHOUSE GASES

3.1 Greenhouse Gases

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHGs), play a critical role in the Earth's radiation amount by trapping infrared radiation from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone (O_3), water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses. Emissions of CO_2 and N_2O are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean. The following provides a description of each of the greenhouse gases and their global warming potential.

Water Vapor

Water vapor is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to "hold" more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a "positive feedback loop." The extent to which this positive feedback loop will continue is unknown as there is also dynamics that put the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually also condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the Earth's surface and heat it up).

Carbon Dioxide

The natural production and absorption of CO_2 is achieved through the terrestrial biosphere and the ocean. However, humankind has altered the natural carbon cycle by burning coal, oil, natural gas, and wood. Since the industrial revolution began in the mid 1700s, each of these activities has increased in scale and distribution. CO_2 was the first GHG demonstrated to be increasing in atmospheric concentration with the first conclusive measurements being made in the last half of the 20th century. Prior to the industrial revolution, concentrations were fairly stable at 280 parts per million (ppm). The International Panel on Climate Change (IPCC) indicates that concentrations were 379 ppm in 2005, an increase of more than 30 percent. Left unchecked, the IPCC projects that concentration of carbon dioxide in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources. This

could result in an average global temperature rise of at least two degrees Celsius or 3.6 degrees Fahrenheit.

Methane

CH_4 is an extremely effective absorber of radiation, although its atmospheric concentration is less than that of CO_2. Its lifetime in the atmosphere is brief (10 to 12 years), compared to some other GHGs (such as CO_2, N_2O, and Chlorofluorocarbons (CFCs)). CH_4 has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other anthropocentric sources include fossil-fuel combustion and biomass burning.

Nitrous Oxide

Concentrations of N_2O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration of this GHG was documented at 314 parts per billion (ppb). N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. N_2O is also commonly used as an aerosol spray propellant (i.e., in whipped cream bottles, in potato chip bags to keep chips fresh, and in rocket engines and race cars).

Chlorofluorocarbons

CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source, but were first synthesized in 1928. They were used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

Hydrofluorocarbons

HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF_3), HFC-134a (CF_3CH_2F), and HFC-152a (CH_3CHF_2). Prior to 1990, the only significant emissions were HFC-23. HFC-134a use is increasing due to its use as a refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade for applications such as automobile air conditioners and refrigerants.

Perfluorocarbons

Perfluorocarbons (PFCs) have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6).

Concentrations of CF_4 in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.

Sulfur Hexafluoride

Sulfur Hexafluoride (SF_6) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. SF_6 has the highest global warming potential of any gas evaluated; 23,900 times that of CO_2. Concentrations in the 1990s were about 4 ppt. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Aerosols

Aerosols are particles emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light. Cloud formation can also be affected by aerosols. Sulfate aerosols are emitted when fuel containing sulfur is burned. Black carbon (or soot) is emitted during biomass burning due to the incomplete combustion of fossil fuels. Particulate matter regulation has been lowering aerosol concentrations in the United States; however, global concentrations are likely increasing.

3.2 Global Warming Potential

GHGs have varying global warming potential (GWP). The GWP is the potential of a gas or aerosol to trap heat in the atmosphere; it is the cumulative radiative forcing effects of a gas over a specified time horizon resulting from the emission of a unit mass of gas relative to the reference gas, CO_2. The GHGs listed by the IPCC and the CEQA Guidelines are discussed in this section in order of abundance in the atmosphere. Water vapor, the most abundant GHG, is not included in this list because its natural concentrations and fluctuations far outweigh its anthropogenic (human-made) sources. To simplify reporting and analysis, GHGs are commonly defined in terms of their GWP. The IPCC defines the GWP of various GHG emissions on a normalized scale that recasts all GHG emissions in terms of CO_2e. As such, the GWP of CO_2 is equal to 1. The GWP values used in this analysis are based on the 2007 IPCC Fourth Assessment Report, which are used in CARB's 2014 Scoping Plan Update and the CalEEMod Model Version 2016.3.2 and are detailed in Table A. The IPCC has updated the Global Warming Potentials of some gases in their Fifth Assessment Report, however the new values have not yet been incorporated into the CalEEMod model that has been utilized in this analysis.

Table A – Global Warming Potentials, Atmospheric Lifetimes and Abundances of GHGs

Gas	Atmospheric Lifetime (years)[1]	Global Warming Potential (100 Year Horizon)[2]	Atmospheric Abundance
Carbon Dioxide (CO_2)	50-200	1	379 ppm
Methane (CH_4)	9-15	25	1,774 ppb
Nitrous Oxide (N_2O)	114	298	319 ppb
HFC-23	270	14,800	18 ppt
HFC-134a	14	1,430	35 ppt
HFC-152a	1.4	124	3.9 ppt
PFC: Tetrafluoromethane (CF_4)	50,000	7,390	74 ppt
PFC: Hexafluoroethane (C_2F_6)	10,000	12,200	2.9 ppt
Sulfur Hexafluoride (SF_6)	3,200	22,800	5.6 ppt

Notes:

[1] Defined as the half-life of the gas.
[2] Compared to the same quantity of CO_2 emissions and is based on the Intergovernmental Panel On Climate Change (IPCC) 2007 standard, which is utilized in CalEEMod (Version 2016.3.2),that is used in this report (CalEEMod user guide: Appendix A).
Definitions: ppm = parts per million; ppb = parts per billion; ppt = parts per trillion
Source: IPCC 2007, EPA 2015

3.3 Greenhouse Gas Emissions Inventory

According to https://cdiac.ess-dive.lbl.gov/trends/emis/tre_glob_2014.html 9,855 million metric tons (MMT) of CO_2 equivalent (CO_2e) emissions were created globally in the year 2014. According to https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data the breakdown of global GHG emissions by sector consists of: 25 percent from electricity and heat production; 21 percent from industry; 24 percent from agriculture, forestry and other land use activities; 14 percent from transportation; 6 percent from building energy use; and 10 percent from all other sources of energy use.

According to *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2018,* prepared by EPA, April 13, 2020, in 2018 total U.S. GHG emissions were 6,676.6 MMT of CO_2 equivalent (CO_2e) emissions. Total U.S. emissions have increased by 3.7 percent between 1990 and 2018, which is down from a high of 15.2 percent above 1990 levels in 2007. Emissions increased by 2.9 percent or 188.4 $MMTCO_2e$ between 2017 and 2018. The recent increase in GHG emissions was largely driven by an increase in CO_2 emissions from fossil fuel combustion, that was a result of multiple factors including greater heating and cooling needs due to a colder winter and hotter summer in 2018 compared to 2017.

According to https://www.arb.ca.gov/cc/inventory/data/data.htm the State of California created 424.1 $MMTCO_2e$ in 2017. The breakdown of California GHG emissions by sector consists of: 41 percent from transportation; 24 percent from industrial; 15 percent from electricity generation; 8 percent from agriculture; 7 percent from residential buildings; and 5 percent from commercial buildings. In 2017, GHG emissions were 5 $MMTCO_2e$ lower than 2016 levels, which is 7 $MMTCO_2e$ below the 2020 GHG limit of 431 $MMTCO_2e$ established by AB 32.

4.0 AIR QUALITY MANAGEMENT

The air quality at the project site is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to improve air quality through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for improving the air quality are discussed below.

4.1 Federal – United States Environmental Protection Agency

The Clean Air Act, first passed in 1963 with major amendments in 1970, 1977 and 1990, is the overarching legislation covering regulation of air pollution in the United States. The Clean Air Act has established the mandate for requiring regulation of both mobile and stationary sources of air pollution at the state and federal level. The Environmental Protection Agency (EPA) was created in 1970 in order to consolidate research, monitoring, standard-setting and enforcement authority into a single agency.

The EPA is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain locomotives. NAAQS pollutants were identified using medical evidence and are shown below in Table B.

Table B – State and Federal Criteria Pollutant Standards

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Ozone (O_3)	0.09 ppm / 1-hour 0.07 ppm / 8-hour	0.070 ppm, / 8-hour	(a) Pulmonary function decrements and localized lung edema in humans and animals; (b) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (c) Increased mortality risk; (d) Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (e) Vegetation damage; and (f) Property damage.
Carbon Monoxide (CO)	20.0 ppm / 1-hour 9.0 ppm / 8-hour	35.0 ppm / 1-hour 9.0 ppm / 8-hour	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; and (d) Possible increased risk to fetuses.
Nitrogen Dioxide (NO_2)	0.18 ppm / 1-hour 0.030 ppm / annual	100 ppb / 1-hour 0.053 ppm / annual	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; and (c) Contribution to atmospheric discoloration.
Sulfur Dioxide (SO_2)	0.25 ppm / 1-hour 0.04 ppm / 24-hour	75 ppb / 1-hour 0.14 ppm/annual	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma.
Suspended Particulate Matter (PM_{10})	50 µg/m^3 / 24-hour 20 µg/m^3 / annual	150 µg/m^3 / 24-hour	(a) Exacerbation of symptoms in sensitive patients with respiratory or cardiovascular disease; (b) Declines in pulmonary function growth in children; and (c) Increased risk of premature death from heart or lung diseases in elderly.

Air Pollutant	Concentration / Averaging Time		Most Relevant Effects
	California Standards	Federal Primary Standards	
Suspended Particulate Matter ($PM_{2.5}$)	12 µg/m^3 / annual	35 µg/m^3 / 24-hour 12 µg/m^3 / annual	
Sulfates	25 µg/m^3 / 24-hour	No Federal Standards	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; and (f) Property damage.
Lead	1.5 µg/m^3 / 30-day	0.15 µg/m^3 /3-month rolling	(a) Learning disabilities; and (b) Impairment of blood formation and nerve conduction.
Visibility Reducing Particles	Extinction coefficient of 0.23 per kilometer - visibility of ten miles or more due to particles when relative humidity is less than 70 percent.	No Federal Standards	Visibility impairment on days when relative humidity is less than 70 percent.

Source: http://www.arb.ca.gov/research/aaqs/aaqs2.pdf .

As part of its enforcement responsibilities, the EPA requires each state with federal nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the national standards. The SIP must integrate federal, state, and local components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs within the timeframe identified in the SIP. The CARB defines attainment as the category given to an area with no violations in the past three years. As indicated below in Table C, the Air Basin has been designated by EPA for the national standards as a non-attainment area for ozone and PM2.5 and partial non-attainment for lead. Currently, the Air Basin is in attainment with the national ambient air quality standards for CO, PM10, SO_2, and NO_2.

Table C – South Coast Air Basin Attainment Status

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
1-Hour Ozone	NAAQS	1979 1-Hour (0.12 ppm)	Nonattainment (Extreme)	2/6/2023 (revised deadline)
	CAAQS	1-Hour (0.09 ppm)	Nonattainment	N/A
8-Hour Ozone	NAAQS	1997 8-Hour (0.08 ppm)	Nonattainment (Extreme)	6/15/2024
	NAAQS	2008 8-Hour (0.075 ppm)	Nonattainment (Extreme)	7/20/2032
	NAAQS	2015 8-Hour (0.070 ppm)	Nonattainment (Extreme)	8/3/2038
	CAAQS	8-Hour (0.070 ppm)	Nonattainment	Beyond 2032
CO	NAAQS	1-Hour (35 ppm) 8-Hour (9 ppm)	Attainment (Maintenance)	6/11/2007 (attained)
	CAAQS	1-Hour (20 ppm) 8-Hour (9 ppm)	Attainment	6/11/2007 (attained)
NO_2	NAAQS	2010 1-Hour (0.10 ppm)	Unclassifiable/ Attainment	N/A (attained)

Criteria Pollutant	Standard	Averaging Time	Designation	Attainment Date
	NAAQS	1971 Annual (0.053 ppm)	Attainment (Maintenance)	9/22/1998 (attained)
	CAAQS	1-Hour (0.18 ppm) Annual (0.030 ppm)	Attainment	---
SO_2	NAAQS	1-Hour (75 ppb)	Designations Pending (expect Unclassifiable/ Attainment)	N/A (attained)
	NAAQS	24-Hour (0.14 ppm) Annual (0.03 ppm)	Unclassifiable/ Attainment	3/19/1979 (attained)
PM10	NAAQS	1987 24-hour (150 µg/m^3)	Attainment (Maintenance)	7/26/2013 (attained)
	CAAQS	24-hour (50 µg/m^3) Annual (20 µg/m^3)	Nonattainment	N/A
PM2.5	NAAQS	2006 24-Hour (35 µg/m^3)	Nonattainment (Serious)	12/31/2019
	NAAQS	1997 Annual (15.0 µg/m^3)	Attainment	8/24/2016
	NAAQS	2012 Annual (12.0 µg/m^3)	Nonattainment (Serious)	12/31/2025
	CAAQS	Annual (12.0 µg/m^3)	Nonattainment	N/A
Lead	NAAQS	3-Months Rolling (0.15 µg/m^3)	Nonattainment (Partial)	12/31/2015
Hydrogen Sulfide (H_2S)	CAAQS	1-Hour (0.03 ppm or 42 µg/m^3)	Attainment	---
Sulfates	CAAQS	24-Hour (25 µg/m^3)	Attainment	---
Vinyl Chloride	CAAQS	24-Hour (0.01 ppm or 26 µg/m^3)	Attainment	---

Source: SCAQMD (http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=14)

In 2015, one or more stations in the Air Basin exceeded the most current federal standards on a total of 146 days (40 percent of the year), including: 8-hour ozone (113 days over 2015 ozone NAAQS), 24-hour PM2.5 (30 days, including near-road sites; 25 days for ambient sites only), PM10 (2 days), and NO_2 (1 day). Despite substantial improvement in air quality over the past few decades, some air monitoring stations in the Air Basin still exceed the NAAQS for ozone more frequently than any other area in the United States. Seven of the top 10 stations in the nation most frequently exceeding the 2015 8-hour ozone NAAQS in 2015 were located within the Air Basin, including stations in San Bernardino, Riverside, and Los Angeles Counties (SCAQMD, 2016).

PM2.5 levels in the Air Basin have improved significantly in recent years. By 2013 and again in 2014 and 2015, there were no stations measuring PM2.5 in the Air Basin that violated the former 1997 annual PM2.5 NAAQS (15.0 µg/m^3) for the 3-year design value period. On July 25, 2016 the EPA finalized a determination that the Basin attained the 1997 annual (15.0 µg/m^3) and 24-hour PM2.5 (65 µg/m^3) NAAQS, effective August 24, 2016. Of the 17 federal PM2.5 monitors at ambient stations in the Air Basin for the 2013-2015 period, five stations had design values over the current 2012 annual PM2.5 NAAQS (12.0 µg/m^3), including: Mira Loma (Air Basin maximum at 14.1 µg/m^3), Rubidoux, Fontana, Ontario, Central Los Angeles, and Compton. For the 24-hour PM2.5 NAAQS (35.0 µg/m^3) there were 14 stations in the Air Basin in 2015 that had one or more daily exceedances of the standard, with a combined total of 25 days over that standard in the Air Basin. While it was previously anticipated that the Air Basin's 24-hour PM2.5 NAAQS would be attained by 2015, this did not occur based on the data for 2013 through

2015. The higher number of days exceeding the 24-hour PM2.5 NAAQS over what was expected is largely attributed to the severe drought conditions over this period that allowed for more stagnant conditions in the Air Basin with multi-day buildups of higher PM2.5 concentrations. This was caused by the lack of storm-related dispersion and rain-out of PM and its precursors (SCAQMD, 2016).

The Air Basin is currently in attainment for the federal standards for SO_2, CO, NO_2, and PM10. While the concentration level of the 1-hour NO_2 federal standard (100 ppb) was exceeded in the Air Basin for one day in 2015 (Long Beach- Hudson Station), the NAAQS NO_2 design value has not been exceeded. Therefore, the Air Basin remains in attainment of the NO_2 NAAQS (SCAQMD, 2016).

4.2 State – California Air Resources Board

The California Air Resources Board (CARB), which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the SIP. The CAAQS for criteria pollutants are shown above in Table B. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g. hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

The Air Basin has been designated by the CARB as a non-attainment area for ozone, PM10 and PM2.5. Currently, the Air Basin is in attainment with the ambient air quality standards for CO, NO_2, SO_2, lead, and sulfates and is unclassified for visibility reducing particles and Hydrogen Sulfide.

The following lists the State of California Code of Regulations (CCR) air quality emission rules that are applicable, but not limited to all school projects in the State.

Assembly Bill 2588

The Air Toxics "Hot Spots" Information and Assessment Act (Assembly Bill [AB] 2588, 1987, Connelly) was enacted in 1987 as a means to establish a formal air toxics emission inventory risk quantification program. AB 2588, as amended, establishes a process that requires stationary sources to report the type and quantities of certain substances their facilities routinely release in California. The data is ranked by high, intermediate, and low categories, which are determined by: the potency, toxicity, quantity, volume, and proximity of the facility to nearby receptors.

CARB Regulation for In-Use Off-Road Diesel Vehicles

On July 26, 2007, the California Air Resources Board (CARB) adopted California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 to reduce diesel particulate matter (DPM) and NOx emissions from in-use off-road heavy-duty diesel vehicles in California. Such vehicles are used in construction, mining, and industrial operations. The regulation limits idling to no more than five consecutive minutes, requires reporting and labeling, and requires disclosure of the regulation upon vehicle sale. Performance requirements of the rule are based on a fleet's average NOx emissions, which can be met by replacing older vehicles with newer, cleaner vehicles or by applying exhaust retrofits. The regulation was amended in 2010 to delay the original timeline of the performance requirement making the first compliance deadline January 1, 2014 for large fleets (over 5,000 horsepower), 2017 for medium fleets (2,501-5,000 horsepower), and 2019 for small fleets (2,500 horsepower or less). Currently, no commercial operation in California may add any equipment to their fleet that has a Tier 0 or Tier 1 engine. By January 1, 2018

medium and large fleets will be restricted from adding Tier 2 engines to their fleets and by January 2023, no commercial operation will be allowed to add Tier 2 engines to their fleets. It should be noted that commercial fleets may continue to use their existing Tier 0 and 1 equipment, if they can demonstrate that the average emissions from their entire fleet emissions meet the NOx emissions targets.

CARB Resolution 08-43 for On-Road Diesel Truck Fleets

On December 12, 2008 the CARB adopted Resolution 08-43, which limits NOx, PM10 and PM2.5 emissions from on-road diesel truck fleets that operate in California. On October 12, 2009 Executive Order R-09-010 was adopted that codified Resolution 08-43 into Section 2025, title 13 of the California Code of Regulations. This regulation requires that by the year 2023 all commercial diesel trucks that operate in California shall meet model year 2010 (Tier 4 Final) or latter emission standards. In the interim period, this regulation provides annual interim targets for fleet owners to meet. By January 1, 2020, 90 percent of a truck fleet is required to have installed Best Available Control Technology (BACT) for NOx emissions and 100 percent of a truck fleet installed BACT for PM10 emissions. This regulation also provides a few exemptions including a onetime per year 3-day pass for trucks registered outside of California and a low use exemption for trucks that operate less than 1,000 miles per year or less than 100 hours, if the truck operates in a stationary mode. Starting January 1, 2020 the DMV will no longer register any vehicles that do not meet the Section 2025, title 13 requirements. All on-road diesel trucks utilized during construction of the proposed project will be required to comply with Resolution 08-43.

4.3 Regional – Southern California

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

South Coast Air Quality Management District

SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. It has responded to this requirement by preparing a sequence of AQMPs. The *Final 2016 Air Quality Management Plan* (2016 AQMP) was adopted by the SCAQMD Board on March 3, 2016 and was adopted by CARB on March 23, 2017 for inclusion into the California State Implementation Plan (SIP). The 2016 AQMP was prepared in order to meet the following standards:

- 8-hour Ozone (75 ppb) by 2032
- Annual PM2.5 (12 µg/m3) by 2021-2025
- 8-hour Ozone (80 ppb) by 2024 (updated from the 2007 and 2012 AQMPs)
- 1-hour Ozone (120 ppb) by 2023 (updated from the 2012 AQMP)
- 24-hour PM2.5 (35 µg/m^3) by 2019 (updated from the 2012 AQMP)

In addition to meeting the above standards, the 2016 AQMP also includes revisions to the attainment demonstrations for the 1997 8-hour ozone NAAQS and the 1979 1-hour ozone NAAQS. The prior 2012 AQMP was prepared in order to demonstrate attainment with the 24-hour PM2.5 standard by 2014 through adoption of all feasible measures. The prior 2007 AQMP demonstrated attainment with the 1997

8-hour ozone (80 ppb) standard by 2023, through implementation of future improvements in control techniques and technologies. These "black box" emissions reductions represent 65 percent of the remaining NOx emission reductions by 2023 in order to show attainment with the 1997 8-hour ozone NAAQS. Given the magnitude of these needed emissions reductions, additional NOx control measures have been provided in the 2012 AQMP even though the primary purpose was to show compliance with 24-hour PM2.5 emissions standards.

The 2016 AQMP provides a new approach that focuses on available, proven and cost effective alternatives to traditional strategies, while seeking to achieve multiple goals in partnership with other entities to promote reductions in GHG emissions and TAC emissions as well as efficiencies in energy use, transportation, and goods movement. The 2016 AQMP recognizes the critical importance of working with other agencies to develop funding and other incentives that encourage the accelerated transition of vehicles, buildings and industrial facilities to cleaner technologies in a manner that benefits not only air quality, but also local businesses and the regional economy.

Although SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate air quality issues associated with plans and new development projects throughout the Air Basin. Instead, this is controlled through local jurisdictions in accordance to the California Environmental Quality Act (CEQA). In order to assist local jurisdictions with air quality compliance issues the *CEQA Air Quality Handbook* (SCAQMD CEQA Handbook), prepared by SCAQMD, 1993, with the most current updates found at http://www.aqmd.gov/ceqa/hdbk.html, was developed in accordance with the projections and programs detailed in the AQMPs. The purpose of the SCAQMD CEQA Handbook is to assist Lead Agencies, as well as consultants, project proponents, and other interested parties in evaluating a proposed project's potential air quality impacts. Specifically, the SCAQMD CEQA Handbook explains the procedures that SCAQMD recommends be followed for the environmental review process required by CEQA. The SCAQMD CEQA Handbook provides direction on how to evaluate potential air quality impacts, how to determine whether these impacts are significant, and how to mitigate these impacts. The SCAQMD intends that by providing this guidance, the air quality impacts of plans and development proposals will be analyzed accurately and consistently throughout the Air Basin, and adverse impacts will be minimized.

The following lists the SCAQMD rules that are applicable but not limited to school development projects in the Air Basin.

Rule 402 - Nuisance

Rule 402 prohibits a person from discharging from any source whatsoever such quantities of air contaminants or other material which causes injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. Compliance with Rule 402 will reduce local air quality and odor impacts to nearby sensitive receptors.

Rule 403- Fugitive Dust

Rule 403 governs emissions of fugitive dust during construction activities and requires that no person shall cause or allow the emissions of fugitive dust such that dust remains visible in the atmosphere beyond the property line or the dust emission exceeds 20 percent opacity, if the dust is from the operation of a motorized vehicle. Compliance with this rule is achieved through application of standard Best Available

Control Measures, which include but are not limited to the measures below. Compliance with these rules would reduce local air quality impacts to nearby sensitive receptors.

- Utilize either a pad of washed gravel 50 feet long, 100 feet of paved surface, a wheel shaker, or a wheel washing device to remove material from vehicle tires and undercarriages before leaving project site.
- Do not allow any track out of material to extend more than 25 feet onto a public roadway and remove all track out at the end of each workday.
- Water all exposed areas on active sites at least three times per day and pre-water all areas prior to clearing and soil moving activities.
- Apply nontoxic chemical stabilizers according to manufacturer specifications to all construction areas that will remain inactive for 10 days or longer.
- Pre-water all material to be exported prior to loading, and either cover all loads or maintain at least 2 feet of freeboard in accordance with the requirements of California Vehicle Code Section 23114.
- Replant all disturbed area as soon as practical.
- Suspend all grading activities when wind speeds (including wind gusts) exceed 25 miles per hour.
- Restrict traffic speeds on all unpaved roads to 15 miles per hour or less.

Rules 1108 and 1108.1 – Cutback and Emulsified Asphalt

Rules 1108 and 1108.1 govern the sale, use, and manufacturing of asphalt and limits the VOC content in asphalt. This rule regulates the VOC contents of asphalt used during construction as well as any on-going maintenance during operations. Therefore, all asphalt used during construction and operation of the proposed project must comply with SCAQMD Rules 1108 and 1108.1.

Rule 1113 – Architectural Coatings

Rule 1113 governs the sale, use, and manufacturing of architectural coatings and limits the VOC content in sealers, coatings, paints and solvents. This rule regulates the VOC contents of paints available during construction. Therefore, all paints and solvents used during construction and operation of the proposed project must comply with SCAQMD Rule 1113.

Rule 1143 – Paint Thinners

Rule 1143 governs the sale, use, and manufacturing of paint thinners and multi-purpose solvents that are used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations. This rule regulates the VOC content of solvents used during construction. Solvents used during construction and operation of the proposed project must comply with SCAQMD Rule 1143.

Southern California Association of Governments

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. SCAG has prepared the *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS),

adopted April, 2016 to address GHG reduction targets for passenger vehicles and light duty truck sources, and the *2019 Federal Transportation Improvement* Program (FTIP), adopted September 2018, which addresses regional development and growth forecasts and provides an air quality conformance analysis to demonstrate compliance with federal air quality standards. Although the RTP/SCS and FTIP are primarily planning documents for future transportation projects a key component of these plans is to integrate land use planning with transportation planning that promotes higher density infill development in close proximity to existing transit service, as a way to reduce vehicular emissions. These plans form the basis for the land use and transportation components of the AQMP, which are utilized in the preparation of air quality forecasts and in the consistency analysis included in the AQMP. The RTP/SCS, FTIP, and AQMP are based on growth forecasts based on regional socio-economic modeling by SCAG and land use designations originating within the City and County General Plans.

4.4 Local – City of El Segundo

Local jurisdictions, such as the City of El Segundo, have the authority and responsibility to reduce air pollution through its police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. The City is also responsible for the implementation of transportation control measures as outlined in the AQMPs. Examples of such measures include bus turnouts, energy-efficient streetlights, and synchronized traffic signals. In accordance with CEQA requirements and the CEQA review process, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In accordance with the CEQA requirements, the City does not, however, have the expertise to develop plans, programs, procedures, and methodologies to ensure that air quality within the City and region will meet federal and state standards. Instead, the City relies on the expertise of the SCAQMD and utilizes the SCAQMD CEQA Handbook as the guidance document for the environmental review of plans and development proposals within its jurisdiction.

5.0 ENERGY CONSERVATION MANAGEMENT

The regulatory setting related to energy conservation is primarily addressed through State and City regulations, which are discussed below.

5.1 State

Energy conservation management in the State was initiated by the 1974 Warren-Alquist State Energy Resources Conservation and Development Act that created the California Energy Resource Conservation and Development Commission (currently named California Energy Commission [CEC]), which was originally tasked with certifying new electric generating plants based on the need for the plant and the suitability of the site of the plant. In 1976 the Warren-Alquist Act was expanded to include new restrictions on nuclear generating plants, that effectively resulted in a moratorium of any new nuclear generating plants in the State. The following details specific regulations adopted by the State in order to reduce the consumption of energy.

California Code of Regulations (CCR) Title 20

On November 3, 1976 the CEC adopted the *Regulations for Appliance Efficiency Standards Relating to Refrigerators, Refrigerator-Freezers and Freezers and Air Conditioners,* which were the first energy-efficiency standards for appliances. The appliance efficiency regulations have been updated several times by the Commission and the most current version is the *2016 Appliance Efficiency Regulations*, adopted January 2017 and now includes almost all types of appliances and lamps that use electricity, natural gas as well as plumbing fixtures. The authority for the CEC to control the energy-efficiency of appliances is detailed in California Code of Regulations (CCR), Title 20, Division 2, Chapter 4, Article 4, Sections 1601-1609.

California Code of Regulations (CCR) Title 24, Part 6

CCR Title 24, Part 6: *California's Energy Efficiency Standards for Residential and Nonresidential Buildings* (Title 24) were first established in 1978 in response to a legislative mandate to reduce California's energy consumption. The California Energy Commission (CEC) is the agency responsible for the standards that are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. In 2008 the State set an energy-use reduction goal of zero-net-energy use of all new homes by 2020 and the CEC was mandated to meet this goal through revisions to the Title 24, Part 6 regulations.

The Title 24 standards are updated on a three-year schedule and since 2008 the standards have been incrementally moving to the 2020 goal of the zero-net-energy use. Currently the 2019 Title 24 standards are in effect and have been designed so that the average new home built in California will now use zero-net-energy. Single-family homes built with 2019 standards will use about 7 percent less energy due to energy efficiency measures versus those built under the 2016 standards. The 2019 standards also now require that all single-family homes to have rooftop solar photovoltaic systems and when the solar systems are factored in, homes built under the 2019 standards will use about 53 percent less energy than homes built under the prior 2016 standards. In addition to requiring rooftop solar systems, the 2019 standards also encourage the use of battery storage and heat pump water heaters, require the more widespread use of LED lighting, as well as improve the building's thermal envelope through high performance attics, walls and windows. The 2019 standards also require improvements to ventilation systems by requiring highly efficient air filters to trap hazardous air particulates as well as improvements

to kitchen ventilation systems. (https://ww2.energy.ca.gov/title24/2019standards/documents/Title24_2019_Standards_detailed_faq.pdf)

California Code of Regulations (CCR) Title 24, Part 11

CCR Title 24, Part 11: *California Green Building Standards* (CalGreen) was developed in response to continued efforts to reduce GHG emissions associated with energy consumption. The CalGreen Building Standards are also updated every three years and the current version is the 2019 California Green Building Standard Code that become effective on January 1, 2020.

The CALGreen Code contains requirements for construction site selection; storm water control during construction; construction waste reduction; indoor water use reduction; material selection; natural resource conservation; site irrigation conservation; and more. The code provides for design options allowing the designer to determine how best to achieve compliance for a given site or building condition. The code also requires building commissioning, which is a process for verifying that all building systems (e.g., heating and cooling equipment and lighting systems) are functioning at their maximum efficiency.

The CALGreen Code provides standards for bicycle parking, carpool/vanpool/electric vehicle spaces, light and glare reduction, grading and paving, energy efficient appliances, renewable energy, graywater systems, water efficient plumbing fixtures, recycling and recycled materials, pollutant controls (including moisture control and indoor air quality), acoustical controls, storm water management, building design, insulation, flooring, and framing, among others. Implementation of the CALGreen Code measures reduces energy consumption and vehicle trips and encourages the use of alternative-fuel vehicles, which reduces pollutant emissions.

Some of the notable changes in the 2019 CALGreen Code over the prior 2016 CALGreen Code include: an alignment of building code engineering requirements with the national standards that include anchorage requirements for solar panels, provides design requirements for buildings in tsunami zones, increases Minimum Efficiency Reporting Value (MERV) for air filters from 8 to 13, increased electric vehicle charging requirements in parking areas, and sets minimum requirements for use of shade trees.

Senate Bill 100

Senate Bill 100 (SB 100) was adopted September 2018 and requires that by December 1, 2045 that 100 percent of retail sales of electricity to be generated from renewable or zero-carbon emission sources of electricity. SB 100 supersedes the renewable energy requirements set by SB 350, SB 1078, SB 107, and SB X1-2. However, the interim renewable energy thresholds from the prior Bills of 44 percent by December 31, 2024, 52 percent by December 31, 2027, and 60 percent by December 31, 2030, will remain in effect.

Executive Order B-48-18 and Assembly Bill 2127

The California Governor issued Executive Order B-48-18 on January 26, 2018 that orders all state entities to work with the private sector to put at least five million zero-emission vehicles on California roads by 2030 and to install 200 hydrogen fueling stations and 250,000 electric vehicle chargers by 2025. Currently there are approximately 350,000 electric vehicles operating in California, which represents approximately 1.5 percent of the 24 million vehicles total currently operating in California. Implementation of Executive Order B-48-18 would result in approximately 20 percent of all vehicles in California to be zero emission electric vehicles. Assembly Bill 2127 (AB 2127) was codified into statute on September 13, 2018 and

requires that the California Energy Commission working with the State Air Resources Board prepare biannual assessments of the statewide electric vehicle charging infrastructure needed to support the levels of zero emission vehicle adoption required for the State to meet its goals of putting at least 5 million zero-emission vehicles on California roads by 2030.

Assembly Bill 1109

California Assembly Bill 1109 (AB 1109) was adopted October 2007, also known as the Lighting Efficiency and Toxics Reduction Act, prohibits the manufacturing of lights after January 1, 2010 that contain levels of hazardous substances prohibited by the European Union pursuant to the RoHS Directive. AB 1109 also requires reductions in energy usage for lighting and is structured to reduce lighting electrical consumption by: (1) At least 50 percent reduction from 2007 levels for indoor residential lighting; and (2) At least 25 percent reduction from 2007 levels for indoor commercial and all outdoor lighting by 2018. AB 1109 would reduce GHG emissions through reducing the amount of electricity required to be generated by fossil fuels in California.

Assembly Bill 1493

California Assembly Bill 1493 (also known as the Pavley Bill, in reference to its author Fran Pavley) was enacted on July 22, 2002 and required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. In 2004, CARB approved the "Pavley I" regulations limiting the amount of GHGs that may be released from new passenger automobiles that are being phased in between model years 2009 through 2016. These regulations will reduce GHG emissions by 30 percent from 2002 levels by 2016. In June 2009, the EPA granted California the authority to implement GHG emission reduction standards for light duty vehicles, in September 2009, amendments to the Pavley I regulations were adopted by CARB and implementation of the "Pavley I" regulations started in 2009.

The second set of regulations "Pavley II" was developed in 2010, and is being phased in between model years 2017 through 2025 with the goal of reducing GHG emissions by 45 percent by the year 2020 as compared to the 2002 fleet. The Pavley II standards were developed by linking the GHG emissions and formerly separate toxic tailpipe emissions standards previously known as the "LEV III" (third stage of the Low Emission Vehicle standards) into a single regulatory framework. The new rules reduce emissions from gasoline-powered cars as well as promote zero-emissions auto technologies such as electricity and hydrogen, and through increasing the infrastructure for fueling hydrogen vehicles. In 2009, the U.S. EPA granted California the authority to implement the GHG standards for passenger cars, pickup trucks and sport utility vehicles and these GHG emissions standards are currently being implemented nationwide. However, EPA has performed a midterm evaluation of the longer-term standards for model years 2022-2025, and based on the findings of this midterm evaluation, the EPA has proposed to amend the corporate average fuel economy (CAFE) and GHG emissions standards for light vehicles for model years 2021 through 2026. The EPA's proposed amendments do not include any extension of the legal waiver granted to California by the 1970 Clean Air Act and which has allowed the State to set tighter standards for vehicle pipe emissions than the EPA standards. On September 20, 2019, California filed suit over the EPA decision to revoke California's legal waiver that has been joined by 22 other states.

5.2 Local – City of El Segundo

General Plan

The City of El Segundo General Plan 1992 (General Plan), adopted December 1, 1992, includes a Conservation Element that provides goals and policies for beach preservation, water supply, groundwater

contamination, the El Segundo Blue Butterfly, and urban landscape. Although some of these policies may be applicable to the project, the Conservation Element does not provide any goals and policies related to energy conservation within the City. As such, the General Plan is not an applicable plan with regard to energy conservation for the proposed project.

Municipal Code

On November 19, 2019, the City Council adopted Municipal Code Section 13-11-1: Adoption of California Green Building Standards Code, 2019 Edition, which requires new buildings in the City to be designed to meet the CalGreen Building Standards, that have been detailed above under the CCR Title 24 Part 11 requirements.

6.0 GLOBAL CLIMATE CHANGE MANAGEMENT

The regulatory setting related to global climate change is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to reduce GHG emissions through legislation, regulations, planning, policy-making, education, and a variety of programs. The agencies responsible for global climate change regulations are discussed below.

6.1 International

In 1988, the United Nations established the Intergovernmental Panel on Climate Change (IPCC) to evaluate the impacts of global climate change and to develop strategies that nations could implement to curtail global climate change. In 1992, the United States joined other countries around the world in signing the United Nations' Framework Convention on Climate Change (UNFCCC) agreement with the goal of controlling GHG emissions. The parties of the UNFCCC adopted the Kyoto Protocol, which set binding GHG reduction targets for 37 industrialized countries, the objective of reducing their collective GHG emissions by five percent below 1990 levels by 2012. The Kyoto Protocol has been ratified by 182 countries, but has not been ratified by the United States. It should be noted that Japan and Canada opted out of the Kyoto Protocol and the remaining developed countries that ratified the Kyoto Protocol have not met their Kyoto targets. The Kyoto Protocol expired in 2012 and the amendment for the second commitment period from 2013 to 2020 has not yet entered into legal force. The Parties to the Kyoto Protocol negotiated the Paris Agreement in December 2015, agreeing to set a goal of limiting global warming to less than 2 degrees Celsius compared with pre-industrial levels. The Paris Agreement has been adopted by 195 nations with 147 ratifying it, including the United States by President Obama, who ratified it by Executive Order on September 3, 2016. On June 1, 2017, President Trump announced that the United States is withdrawing from the Paris Agreement, however the Paris Agreement is still legally binding by the other remaining nations.

Additionally, the Montreal Protocol was originally signed in 1987 and substantially amended in 1990 and 1992. The Montreal Protocol stipulates that the production and consumption of compounds that deplete ozone in the stratosphere—CFCs, halons, carbon tetrachloride, and methyl chloroform—were to be phased out, with the first three by the year 2000 and methyl chloroform by 2005.

6.2 Federal – United States Environmental Protection Agency

The United States Environmental Protection Agency (EPA) is responsible for implementing federal policy to address global climate change. The Federal government administers a wide array of public-private partnerships to reduce U.S. GHG intensity. These programs focus on energy efficiency, renewable energy, methane, and other non-CO_2 gases, agricultural practices and implementation of technologies to achieve GHG reductions. EPA implements several voluntary programs that substantially contribute to the reduction of GHG emissions.

In Massachusetts v. Environmental Protection Agency (Docket No. 05–1120), argued November 29, 2006 and decided April 2, 2007, the U.S. Supreme Court held that not only did the EPA have authority to regulate greenhouse gases, but the EPA's reasons for not regulating this area did not fit the statutory requirements. As such, the U.S. Supreme Court ruled that the EPA should be required to regulate CO2 and other greenhouse gases as pollutants under the federal Clean Air Act (CAA).

In response to the FY2008 Consolidations Appropriations Act (H.R. 2764; Public Law 110-161), EPA proposed a rule on March 10, 2009 that requires mandatory reporting of GHG emissions from large sources in the United States. On September 22, 2009, the Final Mandatory Reporting of GHG Rule was signed and published in the Federal Register on October 30, 2009. The rule became effective on December 29, 2009. This rule requires suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions to submit annual reports to EPA.

On December 7, 2009, the EPA Administrator signed two distinct findings under section 202(a) of the Clean Air Act. One is an endangerment finding that finds concentrations of the six GHGs in the atmosphere threaten the public health and welfare of current and future generations. The other is a cause or contribute finding, that finds emissions from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare. These actions did not impose any requirements on industry or other entities, however, since 2009 the EPA has been providing GHG emission standards for vehicles and other stationary sources of GHG emissions that are regulated by the EPA. On September 13, 2013 the EPA Administrator signed 40 CFR Part 60, that limits emissions from new sources to 1,100 pounds of CO_2 per MWh for fossil fuel-fired utility boilers and 1,000 pounds of CO_2 per MWh for large natural gas-fired combustion units.

On August 3, 2015, the EPA announced the Clean Power Plan, emissions guidelines for U.S. states to follow in developing plans to reduce GHG emissions from existing fossil fuel-fired power plants (Federal Register Vol. 80, No. 205, October 23 2015). On February 9, 2016 the Supreme Court stayed implementation of the Clean Power Plan due to a legal challenge from 29 states and in April 2017, the Supreme Court put the case on a 60 day hold and directed both sides to make arguments for whether it should keep the case on hold indefinitely or close it and remand the issue to the EPA. On October 11, 2017, the EPA issued a formal proposal to repeal the Clean Power Plan and on June 19, 2019, the EPA issued the Affordable Clean Energy Rule that replaces the Clean Power Plan.

On September 27, 2019, the EPA and the National Highway Safety Administration published the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). Part One of the Rule revokes California's authority to set its own GHG emissions standards and zero-emission vehicle mandates in California, which results in one emission standard to be used nationally for all passenger cars and light trucks that is set by the EPA.

6.3 State

The California Air Resources Board (CARB) has the primary responsible for implementing state policy to address global climate change, however there are State regulations related to global climate change that affect a variety of State agencies. CARB, which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both the federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the SIP. In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g. hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

In 2008, CARB approved a Climate Change Scoping Plan that proposes a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health" (CARB 2008). The Climate Change Scoping Plan has a range of GHG reduction actions which include direct regulations; alternative compliance mechanisms; monetary and non-monetary incentives; voluntary actions; market-based mechanisms such as a cap-and-trade system. In 2014, CARB approved the First Update to the Climate Change Scoping Plan (CARB, 2014) that identifies additional strategies moving beyond the 2020 targets to the year 2050. On December 14, 2017 CARB adopted the California's 2017 Climate Change Scoping Plan, November 2017 (CARB, 2017) that provides specific statewide policies and measures to achieve the 2030 GHG reduction target of 40 percent below 1990 levels by 2030 and the aspirational 2050 GHG reduction target of 80 percent below 1990 levels by 2050. In addition, the State has passed the following laws directing CARB to develop actions to reduce GHG emissions, which are listed below in chronological order, with the most current first.

California Code of Regulations (CCR) Title 24, Part 6

The Title 24 Part 6 standards have been developed by the CEC primarily for energy conservation and is described in more detail above in Section 5.1 under Energy Conservation Management. It should be noted that implementation of the Title 24 Part 6 building standards would also reduce GHG emissions, since energy usage is the primary source of human generated GHG emissions.

California Code of Regulations (CCR) Title 24, Part 11

The CalGreen Building standards have been developed by the CEC primarily for energy conservation and is described in more detail above in Section 5.1 under Energy Conservation Management. It should be noted that implementation of the CalGreen Building standards would also reduce GHG emissions, since energy usage is the primary source of human generated GHG emissions.

Senate Bill 100

SB 100 requires that by December 1, 2045 that 100 percent of retail sales of electricity to be generated from renewable or zero-carbon emission sources of electricity and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order B-48-18 and Assembly Bill 2127

Executive Order B-48-18 and AB 2127 provides measures to put at least five million zero-emission vehicles on California roads by 2030 and to install 200 hydrogen fueling stations and 250,000 electric vehicle chargers by 2025 and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order B-30-15, Senate Bill 32 and Assembly Bill 197

The California Governor issued Executive Order B-30-15 on April 29, 2015 that aims to reduce California's GHG emissions 40 percent below 1990 levels by 2030. This executive order aligns California's GHG reduction targets with those of other international governments, such as the European Union that set the same target for 2030 in October, 2014. This target will make it possible to reach the ultimate goal of reducing GHG emissions 80 percent under 1990 levels by 2050 that is based on scientifically established levels needed in the U.S.A to limit global warming below 2 degrees Celsius – the warming threshold at which scientists say there will likely be major climate disruptions such as super droughts and rising sea levels. Assembly Bill 197 (AB 197) (September 8, 2016) and Senate Bill 32 (SB 32) (September 8, 2016)

codified into statute the GHG emissions reduction targets of at least 40 percent below 1990 levels by 2030 as detailed in Executive Order B-30-15. AB 197 also requires additional GHG emissions reporting that is broken down to sub-county levels and requires CARB to consider the social costs of emissions impacting disadvantaged communities.

Executive Order B-29-15

The California Governor issued Executive Order B-29-15 on April 1, 2015 and directed the State Water Resources Control Board to impose restrictions to achieve a statewide 25% reduction in urban water usage and directed the Department of Water Resources to replace 50 million square feet of lawn with drought tolerant landscaping through an update to the State's Model Water Efficient Landscape Ordinance. The Ordinance also requires installation of more efficient irrigation systems, promotion of greywater usage and onsite stormwater capture, and limits the turf planted in new residential landscapes to 25 percent of the total area and restricts turf from being planted in median strips or in parkways unless the parkway is next to a parking strip and a flat surface is required to enter and exit vehicles. Executive Order B-29-15 would reduce GHG emissions associated with the energy used to transport and filter water.

Assembly Bill 341 and Senate Bills 939 and 1374

Senate Bill 939 (SB 939) requires that each jurisdiction in California to divert at least 50 percent of its waste away from landfills, whether through waste reduction, recycling or other means. Senate Bill 1374 (SB 1374) requires the California Integrated Waste Management Board to adopt a model ordinance by March 1, 2004 suitable for adoption by any local agency to require 50 to 75 percent diversion of construction and demolition of waste materials from landfills. Assembly Bill 341 (AB 341) was adopted in 2011 and builds upon the waste reduction measures of SB 939 and 1374, and sets a new target of a 75 percent reduction in solid waste generated by the year 2020.

Senate Bill 375

Senate Bill 375 (SB 375) was adopted September 2008 in order to support the State's climate action goals to reduce GHG emissions through coordinated regional transportation planning efforts, regional GHG emission reduction targets, and land use and housing allocation. SB 375 requires CARB to set regional targets for GHG emissions reductions from passenger vehicle use. In 2010, CARB established targets for 2020 and 2035 for each Metropolitan Planning Organizations (MPO) within the State. It was up to each MPO to adopt a sustainable communities strategy (SCS) that will prescribe land use allocation in that MPOs Regional Transportation Plan (RTP) to meet CARB's 2020 and 2035 GHG emission reduction targets. These reduction targets are required to be updated every eight years and the most current targets are detailed at: https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/regional-plan-targets, which provides GHG emissions reduction targets for SCAG of 8 percent by 2020 and 19 percent by 2035.

The *2016-2040 Regional Transportation Plan/Sustainable Communities Strategy* (RTP/SCS), adopted by SCAG April, 2016 provides a 2020 GHG emission reduction target of 8 percent and a 2035 GHG emission reduction target of 18 percent. SCAG will need to develop additional strategies in its next revision of the RTP/SCS in order to meet CARB's new 19 percent GHG emission reduction target for 2035. CARB is also charged with reviewing SCAG's RTP/SCS for consistency with its assigned targets.

City and County land use policies, including General Plans, are not required to be consistent with the RTP and associated SCS. However, new provisions of CEQA incentivize, through streamlining and other

provisions, qualified projects that are consistent with an approved SCS and categorized as "transit priority projects."

Assembly Bill 1109

AB 1109 requires reductions in energy usage for lighting and is described in more detail above in Section 5.1 under Energy Conservation Management.

Executive Order S-1-07

Executive Order S-1-07 was issued in 2007 and proclaims that the transportation sector is the main source of GHG emissions in the State, since it generates more than 40 percent of the State's GHG emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in the State by at least ten percent by 2020. This Executive Order also directs CARB to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

In 2009 CARB approved the proposed regulation to implement the LCFS. The standard was challenged in the courts, but has been in effect since 2011 and was re-approved by the CARB in 2015. The LCFS is anticipated to reduce GHG emissions by about 16 MMT per year by 2020. The LCFS is designed to provide a framework that uses market mechanisms to spur the steady introduction of lower carbon fuels. The framework establishes performance standards that fuel producers and importers must meet annually. Reformulated gasoline mixed with corn-derived ethanol and low-sulfur diesel fuel represent the baseline fuels. Lower carbon fuels may be ethanol, biodiesel, renewable diesel, or blends of these fuels with gasoline or diesel. Compressed natural gas and liquefied natural gas also may be low-carbon fuels. Hydrogen and electricity, when used in fuel cells or electric vehicles, are also considered as low-carbon fuels.

Senate Bill 97

Senate Bill 97 (SB 97) was adopted August 2007 and acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR), which is part of the State Natural Resources Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA, by July 1, 2009. The Natural Resources Agency was required to certify and adopt those guidelines by January 1, 2010.

Pursuant to the requirements of SB 97 as stated above, on December 30, 2009 the Natural Resources Agency adopted amendments to the State CEQA guidelines that addresses GHG emissions. The CEQA Guidelines Amendments changed 14 sections of the CEQA Guidelines and incorporated GHG language throughout the Guidelines. However, no GHG emissions thresholds of significance were provided and no specific mitigation measures were identified. The GHG emission reduction amendments went into effect on March 18, 2010 and are summarized below:

- Climate Action Plans and other greenhouse gas reduction plans can be used to determine whether a project has significant impacts, based upon its compliance with the plan.
- Local governments are encouraged to quantify the GHG emissions of proposed projects, noting that they have the freedom to select the models and methodologies that best meet their needs and circumstances. The section also recommends consideration of several qualitative factors that may be used in the determination of significance, such as the extent to which the given project

complies with state, regional, or local GHG reduction plans and policies. OPR does not set or dictate specific thresholds of significance. Consistent with existing CEQA Guidelines, OPR encourages local governments to develop and publish their own thresholds of significance for GHG impacts assessment.

- When creating their own thresholds of significance, local governments may consider the thresholds of significance adopted or recommended by other public agencies, or recommended by experts.
- New amendments include guidelines for determining methods to mitigate the effects of GHG emissions in Appendix F of the CEQA Guidelines.
- OPR is clear to state that "to qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project; general compliance with a plan, by itself, is not mitigation."
- OPR's emphasizes the advantages of analyzing GHG impacts on an institutional, programmatic level. OPR therefore approves tiering of environmental analyses and highlights some benefits of such an approach.
- Environmental impact reports must specifically consider a project's energy use and energy efficiency potential.

Assembly Bill 32

In 2006, the California State Legislature adopted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires CARB, to adopt rules and regulations that would achieve GHG emissions equivalent to statewide levels in 1990 by 2020 through an enforceable statewide emission cap which will be phased in starting in 2012. Emission reductions shall include carbon sequestration projects that would remove carbon from the atmosphere and utilize best management practices that are technologically feasible and cost effective.

In 2007 CARB released the calculated Year 1990 GHG emissions of 431 million metric tons of CO2e ($MMTCO_2e$). The 2020 target of 431 $MMTCO_2e$ requires the reduction of 78 $MMTCO_2e$, or approximately 16 percent from the State's projected 2020 business as usual emissions of 509 $MMTCO_2e$ (CARB, 2014). Under AB 32, CARB was required to adopt regulations by January 1, 2011 to achieve reductions in GHGs to meet the 1990 cap by 2020. Early measures CARB took to lower GHG emissions included requiring operators of the largest industrial facilities that emit 25,000 metric tons of CO_2 in a calendar year to submit verification of GHG emissions by December 1, 2010. The CARB Board also approved nine discrete early action measures that include regulations affecting landfills, motor vehicle fuels, refrigerants in cars, port operations and other sources, all of which became enforceable on or before January 1, 2010.

CARB's Scoping Plan that was adopted in 2009, proposes a variety of measures including: strengthening energy efficiency and building standards; targeted fees on water and energy use; a market-based cap-and-trade system; achieving a 33 percent renewable energy mix; and a fee regulation to fund the program. The 2014 update to the Scoping Plan identifies strategies moving beyond the 2020 targets to the year 2050.

The Cap and Trade Program established under the Scoping Plan sets a statewide limit on sources responsible for 85 percent of California's GHG emissions, and has established a market for long-term investment in energy efficiency and cleaner fuels since 2012.

Executive Order S-3-05

In 2005 the California Governor issued Executive Order S 3-05, GHG Emission, which established the following reduction targets:

- 2010: Reduce greenhouse gas emissions to 2000 levels;
- 2020: Reduce greenhouse gas emissions to 1990 levels;
- 2050: Reduce greenhouse gas emissions to 80 percent below 1990 levels.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. To comply with the Executive Order, the secretary of CalEPA created the California Climate Action Team (CAT), made up of members from various state agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of businesses, local governments, and communities and through State incentive and regulatory programs. The State achieved its first goal of reducing GHG emissions to 2000 levels by 2010.

Assembly Bill 1493

AB 1493 or the Pavley Bill sets tailpipe GHG emissions limits for passenger vehicles in California as well as fuel economy standards and is described in more detail above in Section 5.1 under Energy Conservation Management.

6.4 Regional – Southern California

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

South Coast Air Quality Management District

SCAQMD develops rules and regulations, establishes permitting requirements for stationary sources, inspects emission sources, and enforces such measures through educational programs or fines, when necessary. SCAQMD is directly responsible for reducing emissions from stationary, mobile, and indirect sources. The SCAQMD is also responsible for GHG emissions for projects where it is the lead agency. However, for other projects in the SCAB where it is not the lead agency, it is limited to providing resources to other lead agencies in order to assist them in determining GHG emission thresholds and GHG reduction measures. In order to assist local agencies with direction on GHG emissions, the SCAQMD organized a working group, which is described below.

<u>SCAQMD Working Group</u>

Since neither CARB nor the OPR has developed GHG emissions threshold, the SCAQMD formed a Working Group to develop significance thresholds related to GHG emissions. At the September 28, 2010 Working Group meeting, the SCAQMD released its most current version of the draft GHG emissions thresholds, which recommends a tiered approach that either provides a quantitative annual thresholds of 3,500 $MTCO_2e$ for residential uses, 1,400 $MTCO_2e$ for commercial uses, and 3,000 $MTCO_2e$ for mixed uses. An alternative annual threshold of 3,000 $MTCO_2e$ for all land use types is also proposed.

Southern California Association of Governments

The SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With respect to air quality planning, SCAG has prepared the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), adopted April, 2016 and the *2019 Federal Transportation Improvement* Program (FTIP), adopted September 2018, which addresses regional development and growth forecasts. Although the RTP/SCS and FTIP are primarily planning documents for future transportation projects a key component of these plans are to integrate land use planning with transportation planning that promotes higher density infill development in close proximity to existing transit service. These plans form the basis for the land use and transportation components of the AQMP, which are utilized in the preparation of air quality forecasts and in the consistency analysis included in the AQMP. The RTP/SCS, FTIP, and AQMP are based on projections originating within the City and County General Plans.

6.5 Local – City of El Segundo

Local jurisdictions, such as the City of El Segundo, have the authority and responsibility to reduce GHG emissions through their police power and decision-making authority. Specifically, the City is responsible for the assessment and mitigation of GHG emissions resulting from its land use decisions. In accordance with CEQA requirements and the CEQA review process, the City assesses the global climate change potential of new development projects, requires mitigation of potentially significant global climate change impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation.

In 2015, the City Council set GHG emission reduction goals consistent with the State's AB 32 GHG emission reduction targets. The City's target was calculated as a 15 percent decrease from 2005 levels by 2020 as recommended in the State AB 32 Scoping Plan. A longer-term goal was established for 2035 to reduce emissions by 49% below 2005 levels. These goals put the City on a path towards helping the State meet its long-term 2050 goal to reduce emissions by 80% below 1990 levels.

The *City of El Segundo Climate Action Plan* (El Segundo CAP)*,* December 2017, has been prepared to help the City comply with the City's GHG emissions reduction goals as well as State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP advances these goals and streamlines City efforts to deploy specific initiatives and programs that target the reduction of GHG emissions, while integrating these efforts with the other priorities such as economic development, regional mobility and connectivity, and improving the local air and water quality.

7.0 ATMOSPHERIC SETTING

7.1 South Coast Air Basin

The project site is located within south coastal Los Angeles County, which is part of the South Coast Air Basin (Air Basin) that includes the non-desert portions of Riverside, San Bernardino, and Los Angeles Counties and all of Orange County. The Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

7.2 Local Climate

The climate of southwestern Los Angeles County is characterized by hot dry summers, mild moist winters with infrequent rainfall, moderate afternoon breezes, and generally fair weather. Occasional periods of strong Santa Ana winds and winter storms interrupt the otherwise mild weather pattern. Although the Air Basin is semi-arid, the air near the surface in southwestern Los Angeles County is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry air is brought into the Air Basin by offshore winds, the ocean effect is dominant. Periods of heavy fog are frequent and low stratus clouds, often referred to as "high fog" are a characteristic feature.

Winds are an important parameter in characterizing the air quality environment of a project site because they both determine the regional pattern of air pollution transport and control the rate of dispersion near a source. Daytime winds in southwestern Los Angeles County are usually light breezes from off the coast as air moves regionally onshore from the cool Pacific Ocean to the warm Mojave Desert interior of Southern California. These winds allow for good local mixing, but as discussed above, these coastal winds carry significant amounts of industrial and automobile air pollutants from the densely urbanized western portion of the Air Basin into the interior valleys which become trapped by the mountains that border the eastern and northern edges of the Air Basin.

In the summer, strong temperature inversions may occur that limit the vertical depth through which air pollution can be dispersed. Air pollutants concentrate because they cannot rise through the inversion layer and disperse. These inversions are more common and persistent during the summer months. Over time, sunlight produces photochemical reactions within this inversion layer that creates ozone, a particularly harmful air pollutant. Occasionally, strong thermal convections occur which allows the air pollutants to rise high enough to pass over the mountains and ultimately dilute the smog cloud.

In the winter, light nocturnal winds result mainly from the drainage of cool air off of the mountains toward the valley floor while the air aloft over the valley remains warm. This forms a type of inversion known as a radiation inversion. Such winds are characterized by stagnation and poor local mixing and trap pollutants such as automobile exhaust near their source. While these inversions may lead to air pollution "hot spots" in heavily developed coastal areas of the Air Basin, there is not enough traffic in inland valleys to cause any winter air pollution problems. Despite light wind conditions, especially at night and in the early morning, winter is generally a period of good air quality in the project vicinity.

The temperature and precipitation levels for Los Angeles International Airport Monitoring station, which is the nearest weather station to the project site with historical data are shown below in Table D. Table D shows that August is typically the warmest month and January is typically the coolest month. Rainfall in the project area varies considerably in both time and space. Almost all the annual rainfall comes from

the fringes of mid-latitude storms from late November to early April, with summers being almost completely dry.

Table D – Monthly Climate Data

Month	Average Maximum Temperature (°F)	Average Minimum Temperature (°F)	Average Total Precipitation (inches)
January	65.2	47.5	2.65
February	65.3	48.9	2.67
March	65.3	50.5	1.85
April	67.4	53.0	0.77
May	69.1	56.4	0.17
June	71.9	59.7	0.05
July	75.1	62.9	0.02
August	76.3	63.8	0.07
September	76.0	62.6	0.16
October	73.6	58.5	0.39
November	70.2	52.3	1.40
December	65.9	47.9	1.82
Annual	**70.1**	**55.3**	12.02

Source: https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca5114

7.3 Monitored Local Air Quality

The air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the Air Basin. Estimates of the existing emissions in the Air Basin provided in the 2012 AQMP, indicate that collectively, mobile sources account for 59 percent of the VOC, 88 percent of the NOx emissions and 40 percent of directly emitted PM2.5, with another 10 percent of PM2.5 from road dust. The 2016 AQMP found that since 2012 AQMP projections were made stationary source VOC emissions have decreased by approximately 12 percent, but mobile VOC emissions have increased by 5 percent. The percentage of NOx emissions remain unchanged between the 2012 and 2016 projections.

SCAQMD has divided the Air Basin into 38 air-monitoring areas with a designated ambient air monitoring station representative of each area. The project site is located on the southwestern edge of air monitoring area 3, which covers the Southwest Coastal LA County. Since not all air monitoring stations measure all of the tracked pollutants, the data from the following two monitoring stations, listed in the order of proximity to the project site have been used: Los Angeles-Westchester Parkway Station (Westchester Station) and Compton Station (Compton Station).

The Westchester Station is located approximately 2.3 miles northwest of the project site at 7201 W Westchester Parkway, Los Angeles, and the Compton Station (Compton Station) is located approximately 11 miles east of the project site at 700 North Bullis Road, Compton. The monitoring data is presented in Table E and shows the most recent three years of monitoring data from CARB. Ozone, NO_2, and PM10 were measured at the Westchester Station and PM2.5 was measured at the Compton Station. CO measurements have not been provided, since CO is currently in attainment in the Air Basin and monitoring of CO within the Air Basin ended on March 31, 2013.

Table E – Local Area Air Quality Monitoring Summary

Pollutant (Standard)	Year[1] 2017	2018	2019
Ozone: [1]			
Maximum 1-Hour Concentration (ppm)	0.086	0.074	0.082
Days > CAAQS (0.09 ppm)	0	0	0
Maximum 8-Hour Concentration (ppm)	0.070	0.065	0.067
Days > NAAQS (0.070 ppm)	0	0	0
Days > CAAQs (0.070 ppm)	0	0	0
Nitrogen Dioxide: [1]			
Maximum 1-Hour Concentration (ppb)	72.2	59.6	56.6
Days > NAAQS (100 ppb)	0	0	0
Days > CAAQS (180 ppb)	0	0	0
Inhalable Particulates (PM10) :[1]			
Maximum 24-Hour National Measurement (ug/m^3)	46.5	45.3	62.1
Days > NAAQS (150 ug/m^3)	0	0	0
Days > CAAQS (50 ug/m^3)	0	0	**2**
Annual Arithmetic Mean (AAM) (ug/m^3)	20.2	17.6	19.7
Annual > NAAQS (50 ug/m^3)	No	No	No
Annual > CAAQS (20 ug/m^3)	No	No	No
Ultra-Fine Particulates (PM2.5):[2]			
Maximum 24-Hour National Measurement (ug/m^3)	66.7	49.4	39.5
Days > NAAQS (35 ug/m^3)	**5**	**2**	**1**
Annual Arithmetic Mean (AAM) (ug/m^3)	13.2	13.2	10.8
Annual > NAAQS and CAAQS (12 ug/m^3)	**Yes**	**Yes**	No

Notes: Exceedances are listed in **bold.** CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard; ppm = parts per million; ppb = parts per billion; ND = no data available.

[1] Data obtained from the Westchester Station.

[2] Data obtained from the Compton Station.

Source: http://www.arb.ca.gov/adam/

Ozone

The State 1-hour concentration standard for ozone did not record an exceedance over the past three years at the Westchester Station. The State 8-hour ozone standard did not record an exceedance over the past three years at the Westchester Station. The Federal 8-hour ozone standard did not record an exceedance over the past three years at the Westchester Station.

Ozone is a secondary pollutant as it is not directly emitted. Ozone is the result of chemical reactions between other pollutants, most importantly hydrocarbons and NO_2, which occur only in the presence of bright sunlight. Pollutants emitted from upwind cities react during transport downwind to produce the oxidant concentrations experienced in the area. Many areas of Southern California contribute to the

ozone levels experienced at this monitoring station, with the more significant areas being those directly upwind.

Nitrogen Dioxide

The Westchester Station did not record an exceedance of either the Federal or State 1-hour NO_2 standards for the last three years.

Particulate Matter

The State 24-hour concentration standard for PM10 did not record any days of exceedance in the years 2017 and 2018 and recorded an exceedance in the year 2019 for two days at the Westchester Station. Over the past three years the Federal 24-hour standard for PM10 did not record an exceedance at the Westchester Station. The annual PM10 concentration at the Westchester Station has not exceeded either the State or federal standard for the past three years.

Over the past three years the federal 24-hour concentration standard for PM2.5 has been exceeded between 1 and 5 day each year over the past three years at the Compton Station. The annual PM2.5 concentrations at the Compton Station has exceeded both the State and Federal standards for two of the past three years. Particulate levels in the area are due to natural sources, grading operations, and motor vehicles.

According to the EPA, some people are much more sensitive than others to breathing fine particles (PM10 and PM2.5). People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worsening illness and premature death due to breathing these fine particles. People with bronchitis can expect aggravated symptoms from breathing in fine particles. Children may experience decline in lung function due to breathing in PM10 and PM2.5. Other groups considered sensitive are smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive, because many breathe through their mouths during exercise.

7.4 Toxic Air Contaminant Levels in the Air Basin

In order to determine the Air Basin-wide risks associated with major airborne carcinogens, the SCAQMD conducted the Multiple Air Toxics Exposure Study (MATES) studies. According to the SCAQMD's MATES-IV Interactive Map (found at: https://scaqmd-online.maps.arcgis.com/apps/webappviewer/index.html?id=470c30bc6daf4ef6a43f0082973ff45f), the project site has an estimated cancer risk of 1,285 per million persons chance of cancer. In comparison, the average cancer risk for the Air Basin is 991 per million persons, which is based on the use of age-sensitivity factors detailed in the OEHHA Guidelines (OEHHA, 2015). It should be noted that the cancer risks shown in the *Mates-IV Final Report,* prepared May 2015, found that the average cancer risk in the Basin is 367 per million does not align with the values shown in the Interactive Map, which has been updated since the Final Mates-IV Report was released to account for the cancer risk methodology revisions provided in the 2015 OEHHA Guidelines.

In order to provide a perspective of risk, it is often estimated that the incidence in cancer over a lifetime for the U.S. population ranges between 1 in 4 to 1 in 3, or a risk of about 300,000 per million persons. The MATES-III study referenced a Harvard Report on Cancer Prevention, which estimated that of cancers associated with known risk factors, about 30 percent were related to tobacco, about 30 percent were related to diet and obesity, and about 2 percent were associated with environmental pollution related exposures that includes hazardous air pollutants.

8.0 MODELING PARAMETERS AND ASSUMPTIONS

8.1 CalEEMod Model Input Parameters

The criteria air pollution and GHG emissions impacts created by the proposed project have been analyzed through use of CalEEMod Version 2016.3.2. CalEEMod is a computer model published by the SCAQMD for estimating air pollutant emissions. The CalEEMod program uses the EMFAC2014 computer program to calculate the emission rates specific for the South Coast Air Basin portion of Los Angeles County for employee, vendor and haul truck vehicle trips and the OFFROAD2011 computer program to calculate emission rates for heavy equipment operations. EMFAC2014 and OFFROAD2011 are computer programs generated by CARB that calculates composite emission rates for vehicles. Emission rates are reported by the program in grams per trip and grams per mile or grams per running hour.

The project characteristics in the CalEEMod model were set to a project location of South Coast Air Basin portion of Los Angeles County, a Climate Zone of 9, utility company of Southern California Edison and an opening year of 2023 was utilized in this analysis.

Land Use Parameters

The proposed project would involve the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes the demolition of the existing surface parking lot and construction of a new 7-story office building with an integrated parking structure ("Building C"). Although "Buildings A" and "B" would only be renovated, in order to provide a worst-case analysis, the CalEEMod model analyzed the emissions created from the development of 329,991 square feet of office buildings, which represents the gross square footage of Buildings "A", "B" and "C" combined. In addition, the proposed project would include an integrated parking structure under Building "C" that would contain 1,185 parking spaces and would maintain 71 surface parking spaces on the project site in the vicinity of Building "B", however since these parking spaces will be repaved as part of the project, they have also been analyzed in CalEEMod. According to the project applicant, the proposed project would disturb 4.45 acres of the 7.2-acre project site. The proposed project's land use parameters that were entered into the CalEEMod model are shown in Table F.

Table F – CalEEMod Land Use Parameters

Proposed Land Use	Land Use Subtype in CalEEMod	Land Use Size[1]	Lot Acreage[2]	Building/Paving[2] (square feet)
Office Buildings	General Office Building	329.991 TSF	3.31	329,991
Parking Structure	Enclosed Parking with Elevator	1,185 PS	0.5	474,000
Surface Parking Lot	Parking Lot	71 PS	0.64	28,400

Notes:
[1] TSF = Thousand Square Feet; PS = Parking Space.
[2] Lot acreage calculated based on the total area disturbed of 4.45-acres.
[2] Building/Paving square feet represent area where architectural coatings will be applied.

Construction Parameters

The proposed project construction is expected to begin in October 2021 and be completed by February 2023. The construction-related GHG emissions were based on a 30-year amortization rate as recommended in the SCAQMD GHG Working Group meeting on November 19, 2009. Although the project

applicant provided a construction schedule that consisted of many sub-phases that detailed the construction activities for each month of the 16 month construction schedule, due to the limitation of CalEEMod, these subphases were consolidated into the following five phases of construction that have been analyzed in CalEEMod: 1) Demolition/Rough Grading; 2) Grading/Foundation, 3) Building construction, 4) Application of architectural coatings, and 5) Paving/Site Improvements.

Demolition/Rough Grading

The project applicant has calculated that the renovations of the existing buildings would generate 3,800 tons of demolition debris, which was entered into the CalEEMod model. This would require a total of 367 haul truck trips (average 19 haul truck trips per day over 20 days). In order to account for the project location with no active landfills in the vicinity of the project, the average haul trip length was increased to 40 miles (80 miles roundtrip).

The demolition/rough grading phase has been modeled as starting in October 2021 and occurring over one month. The demolition activities would generate 25 worker trips per day. The onsite equipment would consist of one excavator, one water truck (off-highway truck), one rubber tired dozer, one rubber tired loader, two scrappers and three of either tractors, loaders, or backhoes, which is based on the project applicant's construction equipment schedule. The mitigation of water all exposed areas three times per day was chosen in order to account for the fugitive dust reduction that would occur through adhering to SCAQMD Rule 403, which requires that the Best Available Control Measures be utilized to reduce fugitive dust emissions.

Grading/Foundation

The grading/foundation phase was modeled as starting after the demolition/rough grading phase and would occur over two months. The proposed grading is anticipated to include the export of 26,575 cubic yards of material, which would require a total of 3,322 haul truck trips (average 83 haul truck trips per day over 40 days). In order to account for the project location with no active landfills in the vicinity of the project, the average haul trip length was increased to 40 miles (80 miles roundtrip).

The grading/foundation phase would generate 23 worker trips per day. The onsite equipment would consist of one crane, two forklifts, one rubber tired dozer, and three of either tractors, loaders, or backhoes, which is based on the project applicant's construction equipment schedule. The mitigation of water all exposed areas three times per day was chosen in order to account for the fugitive dust reduction that would occur through adhering to SCAQMD Rule 403, which requires that the Best Available Control Measures be utilized to reduce fugitive dust emissions.

Building Construction

The building construction would occur after the completion of the grading/foundation phase and was modeled as occurring over 13 months, which is based on the project applicant's construction timing. The building construction phase would generate 317 worker trips and 136 vendor trips per day. The onsite equipment would consist of the simultaneous operation of one crane, three forklifts, two concrete boom pumps (pump), and two boom lifts (aerial lifts) which is based on the project applicant's construction equipment schedule.

Architectural Coating

The architectural coating phase would occur concurrently with the building construction phase and was modeled as starting July 2022 and finishing January 2023, which is based on the project applicant's construction timing. The architectural coating phase was modeled based on covering 494,987 square feet of non-residential interior area, 164,996 square feet of non-residential exterior area, and 30,144 square feet of parking area. The architectural coating phase would generate an average of 63 worker trips per day. The onsite equipment would consist of one air compressor, which is based on the CalEEMod default equipment mix.

Paving/Site Improvements

The paving/site improvements phase would occur concurrently with the building construction and architectural coating phases and was modeled as starting in December 2022 and finishing February 2023, which is based on the project applicant's construction timing. The paving phase would generate 253 worker trips per day. The onsite equipment would consist of the simultaneous operation of two forklifts, two paving equipment, and one of either a tractor, loader or backhoe, which is based on the project applicant's construction equipment schedule.

Operational Emissions Modeling

The operations-related criteria air pollutant emissions and GHG emissions created by the proposed project have been analyzed through use of the CalEEMod model. The proposed project was analyzed in the CalEEMod model based on the land use parameters provided above.

Mobile Sources

Mobile sources include emissions generated from the additional vehicle trips that would occur through implementation of the proposed project. The vehicle trips associated with the proposed project were obtained from *Scoping Letter Agreement for Traffic Impact Study for the Proposed 650 North Pacific Coast Highway Project in the City of El Segundo* (Traffic Scoping Letter), prepared by Kimley Horn, November 25, 2020. The Traffic Scoping Letter found that the existing uses on the project site currently generate 1,642 daily vehicle trips and that the proposed project would generate 2,797 daily vehicle trips. The proposed project would generate a net increase of 1,155 daily vehicle trips over existing conditions. However, in order to provide a worst-case analysis, the proposed project's 2,797 gross daily vehicle trips were entered into the CalEEMod. No other changes were made to the CalEEMod default mobile source parameters.

The CalEEMod model provides the selection of "mitigation" to account for project conditions that would result in less emissions than a project without these conditions, however it should be noted that this "mitigation" may represent current conditions, such as development that is in close proximity to an existing transit facility, where a project built at such location would create less vehicle trips and associated emissions than a project that was not built in close proximity to an existing transit facility. The mobile source emissions analysis for the project included the CalEEMod "mitigation" of improved pedestrian network onsite and connecting offsite, and increase transit accessibility with 0.06 mile to the nearest transit to account for the existing LA Metro Bus Stop at Pacific Coast Highway/Mariposa that is located as near as 300 feet south of the project site.

Area Sources

Area sources include emissions from consumer products, landscape equipment, and architectural coatings. The area source emissions were based on the on-going use of the proposed project in the CalEEMod model. No changes were made to the default area source parameters in the CalEEMod model.

Energy Usage

Energy usage includes emissions from electricity and natural gas used onsite. The energy usage was based on the ongoing use of the proposed project in the CalEEMod Model. No changes were made to the default energy usage parameters in the CalEEMod model.

The new 2019 Title 24, Part 6 building energy efficiency standards went into effect January 1, 2020 and require new lighting energy improvements that are 30 percent more efficient than the prior 2016 building standards. In order to account for the new standards, the CalEEMod "mitigation" of 30 percent lighting energy improvement was selected. A summary of the new 2019 Title 24 standards can be found at: https://www.energy.ca.gov/title24/2019standards/documents/2018_Title_24_2019_Building_Standards_FAQ.pdf.

Solid Waste

Waste includes the GHG emissions associated with the processing of waste from the proposed project as well as the GHG emissions from the waste once it is interred into a landfill. The analysis was based on the default CalEEMod solid waste generating rate of 307 tons of solid waste per year. No changes were made to the default solid waste parameters in the CalEEMod model.

The CalEEMod "mitigation" of a 50 percent reduction in landfill waste was selected to account for implementation of AB 341 that provides strategies to reduce, recycle or compost solid waste by 75 percent by 2020. Only 50 percent was selected, since AB 341 builds upon the waste reduction measures of SB 939 and 1374 and therefore, it was assumed approximately 25 percent of the waste reduction target has already been accounted for in the CalEEMod model.

Water and Wastewater

Water includes the water used for the interior of the buildings as well as for landscaping and is based on the GHG emissions associated with the energy used to transport and filter the water. The analysis was based on the default CalEEMod water usage rate of 58,650,360 gallons per year of indoor water use and 35,946,995 gallons per year of outdoor water use. No changes were made to the default water and wastewater parameters in the CalEEMod model.

The CalEEMod "mitigation" of the use of low flow faucets, and toilets and use of smart irrigation system controllers were selected to account for the implementation of the 2016 CCR Title 24 Part 11 (CalGreen) requirements.

8.2 Energy Use Calculations

The proposed project is anticipated to consume energy during both construction and operation of the proposed project and the parameters utilized to calculate energy use from construction and operation of the proposed project are detailed separately below.

Construction-Related Energy Use

Construction of the proposed project is anticipated to use energy in the forms of petroleum fuel for both off-road equipment as well as from the transport of workers and materials to and from the project site and the calculations for each source are described below.

Off-Road Construction Equipment

The off-road construction equipment fuel usage was calculated through use of the CalEEMod model's default off-road equipment assumptions detailed above in Section 8.1. For each piece of off-road equipment, the fuel usage was calculated through use of the *2017 Off-road Diesel Emission Factors* spreadsheet, prepared by CARB (https://ww3.arb.ca.gov/msei/ordiesel.htm). The Spreadsheet provides the following formula to calculate fuel usage from off-road equipment:

Fuel Used = Load Factor x Horsepower x Total Operational Hours x BSFC / Unit Conversion

Where:

Load Factor - Obtained from CalEEMod default values

Horsepower – Obtained from CalEEMod default values

Total Operational Hours – Calculated by multiplying the daily hours by the number of working days for each phase of construction as shown on the project applicant's construction schedule.

BSFC – Brake Specific Fuel Consumption (pounds per horsepower-hour) – If less than 100 Horsepower = 0.408, if greater than 100 Horsepower = 0.367

Unit Conversion – Converts pounds to gallons = 7.109

Table G shows the off-road construction equipment fuel calculations based on the above formula.

Table G – Off-Road Equipment and Fuel Consumption from Construction of the Proposed Project

Equipment Type	Equipment Quantity	Horse-power	Load Factor	Operating Hours per Day	Total Operational Hours[1]	Fuel Used (gallons)
Demolition/Rough Grading						
Excavators	1	158	0.38	8	160	496
Water Truck (Off-Hwy Truck)	1	402	0.38	8	160	1,268
Rubber Tired Dozers	1	247	0.4	8	160	816
Rubber Tired Loader	1	203	0.36	8	160	607
Scraper	2	367	0.48	8	320	2,925
Tractors/Loaders/Backhoes	3	97	0.37	8	480	989
Grading/Foundation						
Cranes	1	231	0.29	2	80	277
Forklifts	2	89	0.2	8	640	654
Rubber Tired Dozers	1	247	0.4	8	320	1,632
Tractors/Loaders/Backhoes	3	97	0.37	7	840	1,730
Building Construction						
Crane	1	231	0.29	6	1,200	4,150
Forklift	1	89	0.20	6	1,200	1,226
Tractor/Loader/Backhoe	1	97	0.37	6	1,200	2,472

Equipment Type	Equipment Quantity	Horse-power	Load Factor	Operating Hours per Day	Total Operational Hours[1]	Fuel Used (gallons)
Welders	3	46	0.45	8	4,800	5,702
Architectural Coating						
Air Compressor	1	78	0.48	6	60	129
Paving/Site Improvements						
Forklifts	2	130	0.42	8	800	2,255
Paving Equipment	2	132	0.36	8	800	1,963
Tractors/Loaders/Backhoes	1	97	0.37	8	400	824
				Total Off-Road Equipment Fuel Used during Construction (gallons)		**43,106**

Notes:
[1] Based on: 20 days for Demolition/Rough Grading; 40 days for Grading/Foundation; 290 days for Building Construction; 140 days for architectural coating; and 50 days for Paving/Site Improvements.
Source: CalEEMod Version 2016.3.2 (see Appendix A); CARB, 2017.

Table G shows that the off-road equipment utilized during construction of the proposed project would consume 43,106 gallons of fuel.

On-Road Construction-Related Vehicle Trips

The on-road construction-related vehicle trips fuel usage was calculated through use of the construction vehicle trip assumptions from the CalEEMod model run as detailed above in Section 8.1. The calculated total construction miles was then divided by the fleet average for all of Southern California miles per gallon rates for the year 2021 calculated through use of the EMFAC2017 model (https://www.arb.ca.gov/emfac/2017/) and the EMFAC2017 model printouts are shown in Appendix B. Table H shows the on-road construction vehicle trips modeled in CalEEMod and the fuel usage calculations.

Table H – On-Road Vehicle Trips and Fuel Consumption from Construction of the Proposed Project

Vehicle Trip Types	Daily Trips	Trip Length (miles)	Total Miles per Day	Total Miles per Phase[1]	Fleet Average Miles per Gallon[2]	Fuel Used (gallons)
Demolition/Rough Grading						
Worker Trips	25	14.7	368	7,350	25.3	291
Haul Truck Trips	19	40.0	752	15,040	8.0	1,887
Grading/Foundation						
Worker Trips	23	14.7	338	13,524	25.3	536
Haul Truck Trips	83	40.0	3,322	132,880	8.0	16,674
Building Construction						
Worker Trips	317	14.7	4,660	1,351,371	25.3	53,511
Vendor Truck Trips	136	6.9	938	272,136	8.0	34,148
Architectural Coating						
Worker Trips	63	14.7	926	129,654	25.3	5,134
Paving/Site Improvements						
Worker Trips	25	14.7	368	18,375	25.3	728
				Total Fuel Used from On-Road Construction Vehicles (gallons)		**112,908**

Notes:

[1] Based on: : 20 days for Demolition/Rough Grading; 40 days for Grading/Foundation; 290 days for Building Construction; 140 days for architectural coating; and 50 days for Paving/Site Improvements. .
[2] From EMFAC 2017 model (see Appendix B). Worker Trips based on entire fleet of gasoline vehicles and Vendor Trips based on only truck fleet of diesel vehicles.
Source: CalEEMod Version 2016.3.2; CARB, 2018.

Table H shows that the on-road construction-related vehicle trips would consume 112,908 gallons of fuel and as detailed above, Table G shows that the off-road construction equipment would consume 43,106 gallons of fuel. This would result in the total consumption of 156,015 gallons of petroleum fuel from construction of the proposed project.

Operations-Related Energy Use

The operation of the proposed project is anticipated to use energy in the forms of petroleum fuel, electricity, and natural gas, and the calculations for each source are described below.

Operational Petroleum Fuel

The on-road operations-related vehicle trips fuel usage was calculated through use of the total annual vehicle miles traveled assumptions from the CalEEMod model run as detailed above in Section 8.1, which found that operation of the proposed project would generate 6,839,658 vehicle miles traveled per year. The calculated total construction miles was then divided by the Southern California fleet average rate of 26.0 miles per gallon, which was calculated through use of the EMFAC2017 model and based on the year 2022. The EMFAC2017 model printouts are shown in Appendix B. Based on the above calculation methodology, operational vehicle trips generated from the proposed project would consume 263,181 gallons per year.

Operational Electricity Use

The operations-related electricity usage was calculated in the CalEEMod model run that is detailed above in Section 8.1 that found the parking structure will consume 2,528,700 kilowatt hours (kWh) per year, the proposed office buildings will consume 3,913,300 kWh per year, and the proposed surface parking lot will consume 6,958 kWh per year. As such the proposed project will use 6,448,958 kWh per year with implementation of Title 24 part 6 requirements that require the implementation of building energy efficiency standards that include the use of LED lighting.

Operational Natural Gas Use

The operations-related natural gas usage was calculated in the CalEEMod model run that is detailed above in Section 8.1 that found the proposed project will use 3,435,210 kilo British Thermal Units (kBTU) per year, which is equivalent to 3,435 mega-British Thermal units (MBTU) per year of natural gas.

9.0 THRESHOLDS OF SIGNIFICANCE

9.1 Regional Air Quality

Many air quality impacts that derive from dispersed mobile sources, which are the dominate pollution generators in the Air Basin, often occurs hours later and miles away after photochemical processes have converted primary exhaust pollutants into secondary contaminants such as ozone. The incremental regional air quality impact of an individual project is generally very small and difficult to measure. Therefore, SCAQMD has developed significance thresholds based on the volume of pollution emitted rather than on actual ambient air quality because the direct air quality impact of a project is not quantifiable on a regional scale. The SCAQMD CEQA Handbook states that any project in the Air Basin with daily emissions that exceed any of the identified significance thresholds should be considered as having an individually and cumulatively significant air quality impact. For the purposes to this air quality impact analysis, a regional air quality impact would be considered significant if emissions exceed the SCAQMD significance thresholds identified in Table I.

Table I – SCAQMD Regional Criteria Pollutant Emission Thresholds of Significance

	Pollutant Emissions (pounds/day)						
	VOC	**NOx**	**CO**	**SOx**	**PM10**	**PM2.5**	**Lead**
Construction	75	100	550	150	150	55	3
Operation	55	55	550	150	150	55	3

Source: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2

9.2 Local Air Quality

Project-related construction air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. In order to assess local air quality impacts the SCAQMD has developed Localized Significant Thresholds (LSTs) to assess the project-related air emissions in the project vicinity. SCAQMD has also provided *Final Localized Significance Threshold Methodology* (LST Methodology), July 2008, which details the methodology to analyze local air emission impacts. The LST Methodology found that the primary emissions of concern are NO_2, CO, PM10, and PM2.5.

The LST Methodology provides Look-Up Tables with different thresholds based on the location and size of the project site and distance to the nearest sensitive receptors. As detailed above in Section 7.3, the project site is located in Monitoring Area 3, which covers the Southwest Coastal LA County. The Look-Up Tables provided in the LST Methodology include project site acreage sizes of 1-acre, 2-acres and 5-acres. The 5-acre project site values in the Look-Up Tables have been utilized in this analysis, since that is the nearest size available for the anticipated 4.45 acres disturbed on the 7.40-acre project site. The nearest offsite sensitive receptors are residents at the multi-family homes located as near as 270 feet (82 meters) west of the project site. As such, the 50 and 100 meter thresholds were interpolated in order to develop the threshold for 244 meters. Table J below shows the LSTs for NO_2, PM10 and PM2.5 for both construction and operational activities.

Table J – SCAQMD Local Air Quality Thresholds of Significance

Activity	Allowable Emissions (pounds/day)[1]			
	NOx	CO	PM10	PM2.5
Construction	197	1,796	15	8
Operation	197	1,796	4	2

Notes:
[1] The nearest offsite sensitive receptors are multi-family homes located as near as 270 feet (82 meters) west of the project site. As such, the 50 and 100 meter thresholds were interpolated to 82 meters
Source: Calculated from SCAQMD's Mass Rate Look-up Tables for five acres in Air Monitoring Area 3, Southwest Coastal LA County.

9.3 Toxic Air Contaminants

According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:

- If the Maximum Incremental Cancer Risk is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to toxic air contaminants (TACs), the *Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*, (Diesel Analysis) prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create TACs through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the TAC and the toxicity of the hazardous air pollutant (HAP) should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

9.4 Odor Impacts

The SCAQMD CEQA Handbook states that an odor impact would occur if the proposed project creates an odor nuisance pursuant to SCAQMD Rule 402, which states:

> "A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
>
> The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals."

If the proposed project results in a violation of Rule 402 with regards to odor impacts, then the proposed project would create a significant odor impact.

9.5 Energy Conservation

The 2018 amendments and additions to the CEQA Checklist now include an Energy Section that analyzes the proposed project's energy consumption in order to avoid or reduce inefficient, wasteful or

unnecessary consumption of energy. Appendix F of the 2020 CEQA Statute and Guidelines, states the following:

> The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:
>
> (1) Decreasing overall per capita energy consumption,
>
> (2) Decreasing reliance on fossil fuels such as coal, natural gas and oil, and
>
> (3) Increasing reliance on renewable energy sources.

Since the Energy Section was just added, no state or local agencies have adopted specific criteria or thresholds to be utilized in an energy impact analysis. However, the 2018 *Guidelines for the Implementation of the California Environmental Quality Act,* provide the following direction on how to analyze a project's energy consumption:

> "If analysis of the project's energy use reveals that the project may result in significant environmental effects due to wasteful, inefficient, or unnecessary use of energy, or wasteful use of energy resources, the EIR shall mitigate that energy use. This analysis should include the project's energy use for all project phases and components, including transportation-related energy, during construction and operation. In addition to building code compliance, other relevant considerations may include, among others, the project's size, location, orientation, equipment use and any renewable energy features that could be incorporated into the project. (Guidance on information that may be included in such an analysis is presented in Appendix F.) This analysis is subject to the rule of reason and shall focus on energy use that is caused by the project. This analysis may be included in related analyses of air quality, greenhouse gas emissions, transportation or utilities in the discretion of the lead agency."

If the proposed project creates inefficient, wasteful or unnecessary consumption of energy during construction or operation activities or conflicts with a state or local plan for renewable energy or energy efficiency, then the proposed project would create a significant energy impact.

9.6 Greenhouse Gas Emissions

The City of El Segundo has adopted a Climate Action Plan (El Segundo CAP) that has been prepared to assist the City comply with various local, regional, State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP advances these goals and streamlines City efforts to deploy specific initiatives and programs that target the reduction of GHG emissions, while integrating these efforts with the other priorities such as economic development, regional mobility and connectivity, and improving the local air and water quality. The El Segundo CAP states: *With the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan*.

Therefore, the proposed project would be considered to be consistent with the El Segundo CAP if the proposed project can demonstrate it is consistent with the applicable emissions reduction measures included in the El Segundo CAP, and the programs and standards that would be implemented as a result of the El Segundo CAP.

The GHG emissions analysis for both construction and operation of the proposed project can be found below in Sections 10.8 and 10.9.

10.0 IMPACT ANALYSIS

10.1 CEQA Thresholds of Significance

Consistent with CEQA and the State CEQA Guidelines, a significant impact related to air quality, energy, and GHG emissions would occur if the proposed project is determined to:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard;
- Expose sensitive receptors to substantial pollutant concentrations;
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people;
- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation;
- Conflict with or obstruct a state or local plan for renewable energy;
- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

10.2 Air Quality Compliance

The proposed project would not conflict with or obstruct implementation of the SCAQMD Air Quality Management Plan (AQMP). The following section discusses the proposed project's consistency with the SCAQMD AQMP.

SCAQMD Air Quality Management Plan

The California Environmental Quality Act (CEQA) requires a discussion of any inconsistencies between a proposed project and applicable General Plans and regional plans (CEQA Guidelines Section 15125). The regional plan that applies to the proposed project includes the SCAQMD AQMP. Therefore, this section discusses any potential inconsistencies of the proposed project with the AQMP.

The purpose of this discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the proposed project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-makers determine that the proposed project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD CEQA Handbook states that "New or amended GP Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

Criterion 1 - Increase in the Frequency or Severity of Violations?

Based on the air quality modeling analysis contained in this report, short-term regional construction air emissions would not result in significant impacts based on SCAQMD regional thresholds of significance discussed above in Section 9.1 or local thresholds of significance discussed above in Section 9.2. The ongoing operation of the proposed project would generate air pollutant emissions that are inconsequential on a regional basis and would not result in significant impacts based on SCAQMD thresholds of significance discussed above in Section 9.1. The analysis for long-term local air quality impacts showed that local pollutant concentrations would not be projected to exceed the air quality standards. Therefore, a less than significant long-term impact would occur and no mitigation would be required.

Therefore, based on the information provided above, the proposed project would be consistent with the first criterion.

Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the proposed project with the assumptions in the AQMP. The emphasis of this criterion is to insure that the analyses conducted for the proposed project are based on the same forecasts as the AQMP. The AQMP is developed through use of the planning forecasts provided in the RTP/SCS and FTIP. The RTP/SCS is a major planning document for the regional transportation and land use network within Southern California. The RTP/SCS is a long-range plan that is required by federal and state requirements placed on SCAG and is updated every four years. The FTIP provides long-range planning for future transportation improvement projects that are constructed with state and/or federal funds within Southern California. Local governments are required to use these plans as the basis of their plans for the purpose of consistency with applicable regional plans under CEQA. For this project, the City of El Segundo General Plan's Land Use Plan defines the assumptions that are represented in AQMP.

The project site is currently designated as Corporate Office in the General Plan and is zoned Corporate Office (CO). The CO Zone permits a maximum floor area ratio (FAR) of 0.8:1. As such, the 7.2-acre project site is allowed a maximum 252,913.6 square feet of net floor area. Since the proposed project would result in a total of 235,057 square feet of net floor area, the project is consistent with the existing land use designation and zoning. However, since the zoning is unclear if the proposed parking structure is included in the FAR, the applicant is requesting a Zone Text Amendment to amend the definition of Floor Area Ratio within ESMC Section 15-1-6 to exempt a fully integrated parking structure within a new construction building. It should be noted that the generation of vehicle trips and associated air emissions are generated by the amount of office building square footage and not by the size of the parking lot. As such, the proposed Zone Text Amendment for the proposed parking structure would not change the AQMP assumptions for the project site. Therefore, the proposed project is not anticipated to exceed the

AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Based on the above, the proposed project will not result in an inconsistency with the SCAQMD AQMP. Therefore, a less than significant impact will occur in relation to implementation of the AQMP.

Level of Significance

Less than significant impact.

10.3 Cumulative Net Increase in Non-Attainment Pollution

The proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard. The following section calculates the potential air emissions associated with the construction and operations of the proposed project and compares the emissions to the SCAQMD standards.

Construction Emissions

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. The construction emissions have been analyzed for both regional and local air quality impacts.

Construction-Related Regional Impacts

The CalEEMod model has been utilized to calculate the construction-related regional emissions from the proposed project and the input parameters utilized in this analysis have been detailed in Section 7.1. The worst-case summer or winter daily construction-related criteria pollutant emissions from the proposed project for each phase of construction activities are shown below in Table K and the CalEEMod daily printouts are shown in Appendix A. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently towards the end of the building construction phase, Table K shows the combined regional criteria pollutant emissions from building construction/renovation (year 2023), architectural coating, and paving/site improvement phases of construction.

Table K shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition/rough grading, grading/foundation, building construction/ renovation, or the combined building construction/renovation, architectural coatings, and paving/site improvement phases. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

Table K – Construction-Related Regional Criteria Pollutant Emissions

Activity	Pollutant Emissions (pounds/day)					
	VOC	NOx	CO	SO_2	PM10	PM2.5
Demolition/Rough Grading[1]						
Onsite	4.65	49.34	33.30	0.07	3.71	2.20
Offsite	0.41	8.61	3.16	0.03	0.97	0.29
Total	**5.05**	**57.95**	**36.46**	**0.10**	**4.68**	**2.48**
Grading/Foundation[1]						
Onsite	1.83	18.81	11.95	0.02	3.42	2.22
Offsite	1.38	37.73	10.63	0.12	3.30	0.99
Total	**3.21**	**56.54**	**22.58**	**0.14**	**6.72**	**3.21**
Building Construction/Renovation (Year 2022)						
Onsite	0.81	7.76	9.15	0.02	0.40	0.38
Offsite	1.83	13.46	15.05	0.07	4.47	1.24
Total	**2.63**	**21.22**	**24.19**	**0.08**	**4.87**	**1.62**
Combined Building Construction/Renovation (2023), Architectural Coatings, and Paving/Site Improvements						
Onsite	25.13	19.69	25.49	0.04	0.99	0.93
Offsite	1.99	10.55	16.70	0.07	5.33	1.47
Total	**27.12**	**30.24**	**42.19**	**0.11**	**6.32**	**2.40**
Maximum Daily Construction Emissions	**27.12**	**57.95**	**42.19**	**0.14**	**6.72**	**3.21**
SCQAMD Thresholds	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Demolition and Grading based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[2] Onsite emissions from equipment not operated on public roads.
[3] Offsite emissions from vehicles operating on public roads.
Source: CalEEMod Version 2016.3.2.

Table K shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds during either demolition/rough grading, grading/foundation, building construction/ renovation, or the combined building construction/renovation, architectural coatings, and paving/site improvement phases. Therefore, a less than significant regional air quality impact would occur from construction of the proposed project.

Construction-Related Local Impacts

Construction-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from construction were analyzed through utilizing the methodology described in *Localized Significance Threshold Methodology* (LST Methodology), prepared by SCAQMD, revised October 2009. The LST Methodology found the primary criteria pollutant emissions of concern are NOx, CO, PM10, and PM2.5. In order to determine if any of these pollutants require a detailed analysis of the local air quality impacts, each phase of construction was screened using the SCAQMD's Mass Rate LST Look-up Tables. The Look-up Tables were developed by the SCAQMD in order to readily determine if

the daily onsite emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality.

Table L shows the onsite emissions from the CalEEMod model for the different construction phases and the calculated localized emissions thresholds that have been detailed above in Section 7.2. Since it is possible that building construction/renovation, architectural coating, and paving/site improvement activities may occur concurrently, Table L shows the combined local criteria pollutant emissions from building construction, paving and architectural coating phases of construction.

Table L – Construction-Related Local Criteria Pollutant Emissions

Phase	Pollutant Emissions[1] (pounds/day)			
	NOx	CO	PM10	PM2.5
Demolition/Rough Grading[2]	50.42	33.70	3.83	2.23
Grading/Foundation[2]	23.52	13.28	3.83	2.34
Building Construction/Renovation (year 2022)	9.45	11.03	0.96	0.54
Combined Building Construction/Renovation (2023), Architectural Coatings, and Paving/Site Improvements	22.00	27.78	1.72	1.17
Maximum Daily Construction Emissions	**50.42**	**33.70**	**3.83**	**2.34**
SCAQMD Local Construction Thresholds[3]	**197**	**2,387**	**55**	**16**
Exceeds Threshold?	No	No	No	No

Notes:
[1] The Pollutant Emissions include 100% of the On-Site emissions (off-road equipment and fugitive dust) and 1/8 of the Off-Site emissions (on road trucks and worker vehicles), in order to account for the on-road emissions that occur within a ¼ mile of the project site.
[2] Demolition and Grading phases based on adherence to fugitive dust suppression requirements from SCAQMD Rule 403.
[3] The nearest offsite sensitive receptors to the project site are multi-family homes located as near as 270 feet (82 meters) west of the project site. As such, the 50 and 100 meter thresholds were interpolated to 82 meters
Source: Calculated from SCAQMD's Mass Rate Look-up Tables for five acres in Air Monitoring Area 3, Southwest Coastal LA County.

The data provided in Table L shows that none of the analyzed criteria pollutants would exceed the local emissions thresholds during either demolition/rough grading, grading/foundation, building construction/renovation, or the combined building construction/renovation, architectural coatings, and paving/site improvement phases. Therefore, a less than significant local air quality impact would occur from construction of the proposed project.

Operational Emissions

The on-going operation of the proposed project would result in a long-term increase in air quality emissions. This increase would be due to emissions from onsite area sources, energy usage, and project generated vehicle trip emissions created from the on-going use of the proposed project. The following section provides an analysis of potential long-term air quality impacts due to regional air quality and local air quality impacts with the on-going operations of the proposed project.

Operations-Related Regional Criteria Pollutant Analysis

The operations-related regional criteria air quality impacts created by the proposed project have been analyzed through use of the CalEEMod model and the input parameters utilized in this analysis have been detailed in Section 8.1. The worst-case summer or winter VOC, NOx, CO, SO_2, PM10, and PM2.5 daily emissions created from the proposed project's long-term operations have been calculated and are summarized below in Table M and the CalEEMod daily emissions printouts are shown in Appendix A.

Table M – Operational Regional Criteria Pollutant Emissions

	Pollutant Emissions (pounds/day)					
Emissions Source	**VOC**	**NOx**	**CO**	**SO_2**	**PM10**	**PM2.5**
Area Sources[1]	7.60	<0.00	0.16	<0.00	<0.00	<0.00
Energy Usage[2]	0.10	0.92	0.78	0.01	0.07	0.07
Mobile Sources[3]	4.02	16.50	48.09	0.18	14.68	4.01
Total Emissions	**11.72**	**17.42**	**49.02**	**0.18**	**14.75**	**4.08**
SCQAMD Operational Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Exceeds Threshold?	No	No	No	No	No	No

Notes:
[1] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consist of emissions from natural gas usage.
[3] Mobile sources consist of emissions from vehicles and road dust.
Source: Calculated from CalEEMod Version 2016.3.2.

The data provided in Table M shows that none of the analyzed criteria pollutants would exceed the regional emissions thresholds. Therefore, a less than significant regional air quality impact would occur from operation of the proposed project.

Friant Ranch Case

The operations-related regional criteria air quality impacts In *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (also referred to as "*Friant Ranch*"), the California Supreme Court held that when an EIR concluded that when a project would have significant impacts to air quality impacts, an EIR should "make a reasonable effort to substantively connect a project's air quality impacts to likely health consequences." In order to determine compliance with this Case, the Court developed a multi-part test that includes the following:

1) The air quality discussion shall describe the specific health risks created from each criteria pollutant, including diesel particulate matter.

This Analysis details the specific health risks created from each criteria pollutant above in Section 4.1 and specifically in Table B. In addition, the specific health risks created from diesel particulate matter is detailed above in Section 2.2 of this analysis. As such, this analysis meets the part 1 requirements of the Friant Ranch Case.

2) The analysis shall identify the magnitude of the health risks created from the Project. The Ruling details how to identify the magnitude of the health risks. Specifically, on page 24 of the ruling it states "The Court of Appeal identified several ways in which the EIR could have framed the analysis so as to adequately inform the public and decision makers of possible adverse health effects. The County could have, for example, identified the Project's impact on the days of nonattainment per year."

The Friant Ranch Case found that an EIR's air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided. As noted in the Brief of Amicus Curiae by the SCAQMD in the Friant Ranch case (https://www.courts.ca.gov/documents/9-s219783-ac-south-coast-air-quality-mgt-dist-041315.pdf) (Brief), SCAQMD has among the most sophisticated air quality modeling and health impact

evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes. The SCAQMD discusses that it may be infeasible to quantify health risks caused by projects similar to the proposed Project, due to many factors. It is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). The Brief states that it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk, it does not necessarily mean anyone will contract cancer as a result of the Project. The Brief also cites the author of the CARB methodology, which reported that a PM2.5 methodology is not suited for small projects and may yield unreliable results. Similarly, SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NOX or VOC emissions from relatively small projects, due to photochemistry and regional model limitations. The Brief concludes, with respect to the Friant Ranch EIR, that although it may have been technically possible to plug the data into a methodology, the results would not have been reliable or meaningful.

On the other hand, for extremely large regional projects (unlike the proposed project), the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 pounds per day of NOx and 89,180 pounds per day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to ozone. As shown above in Table K, project-related construction activities would generate a maximum of 27.12 pounds per day of VOC and 57.95 pounds per day of NOx and as shown above in Table M, operation of the proposed project would generate 11.72 pounds per day of VOC and 17.42 pounds per day NOx. The proposed Project would not generate anywhere near these levels of 6,620 pounds per day of NOx or 89,190 pounds per day of VOC emissions. Therefore, the proposed project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

Notwithstanding, this analysis does evaluate the proposed project's localized impact to air quality for emissions of CO, NOX, PM10, and PM2.5 by comparing the proposed project's onsite emissions to the SCAQMD's applicable LST thresholds. As evaluated in this analysis, the proposed project would not result in emissions that exceeded the SCAQMD's LSTs. Therefore, the proposed project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NOX, PM10, and PM2.5.

Operations-Related Local Air Quality Impacts

Project-related air emissions may have the potential to exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin. The proposed project has been analyzed for the potential local CO emission impacts from the project-generated vehicular trips and from the potential local air quality impacts from on-site operations. The following analyzes the vehicular CO emissions and local impacts from on-site operations.

Local CO Hotspot Impacts from Project-Generated Vehicular Trips

CO is the pollutant of major concern along roadways because the most notable source of CO is motor vehicles. For this reason, CO concentrations are usually indicative of the local air quality generated by a

roadway network and are used as an indicator of potential local air quality impacts. Local air quality impacts can be assessed by comparing future without and with project CO levels to the State and Federal CO standards of 20 ppm over one hour or 9 ppm over eight hours.

At the time of the 1993 Handbook, the Air Basin was designated nonattainment under the CAAQS and NAAQS for CO. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the Air Basin and in the state have steadily declined. In 2007, the Air Basin was designated in attainment for CO under both the CAAQS and NAAQS. SCAQMD conducted a CO hot spot analysis for attainment at the busiest intersections in Los Angeles during the peak morning and afternoon periods and did not predict a violation of CO standards[1]. Since the nearby intersections to the proposed project are much smaller with less traffic than what was analyzed by the SCAQMD, no local CO Hotspot are anticipated to be created from the proposed project and no CO Hotspot modeling was performed. Therefore, a less than significant long-term air quality impact is anticipated to local air quality with the on-going use of the proposed project.

Local Criteria Pollutant Impacts from Onsite Operations

Project-related air emissions from onsite sources such as architectural coatings, landscaping equipment, and onsite usage of natural gas appliances may have the potential to create emissions areas that exceed the State and Federal air quality standards in the project vicinity, even though these pollutant emissions may not be significant enough to create a regional impact to the Air Basin.

The local air quality emissions from onsite operations were analyzed using the SCAQMD's Mass Rate LST Look-up Tables and the methodology described in LST Methodology. The Look-up Tables were developed by the SCAQMD in order to readily determine if the daily emissions of CO, NOx, PM10, and PM2.5 from the proposed project could result in a significant impact to the local air quality. Table P shows the onsite emissions from the CalEEMod model that includes area sources, energy usage, and vehicles operating in the immediate vicinity of the project site and the calculated emissions thresholds.

Table N – Operations-Related Local Criteria Pollutant Emissions

	Pollutant Emissions (pounds/day)			
Onsite Emission Source	**NOx**	**CO**	**PM10**	**PM2.5**
Area Sources[1]	<0.00	0.16	<0.00	<0.00
Energy Usage[2]	0.92	0.78	0.07	0.07
Mobile Sources[3]	2.06	6.01	1.83	0.50
Total Emissions	**2.99**	**6.95**	**1.90**	**0.57**
SCAQMD Local Operational Thresholds[4]	**197**	**2,387**	**14**	**4**
Exceeds Threshold?	No	No	No	No

Notes:
[1] Area sources consist of emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consist of emissions from natural gas usage.

[1] The four intersections analyzed by the SCAQMD were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning and LOS F in the evening peak hour.

[3] Mobile sources based on 1/8 of the gross vehicular emissions, which is the estimated portion of vehicle emissions occurring within a quarter mile of the project site

[4] The nearest offsite sensitive receptors to the project site are multi-family homes located as near as 270 feet (82 meters) west of the project site. As such, the 50 and 100 meter thresholds were interpolated to 82 meters

Source: Calculated from SCAQMD's Mass Rate Look-up Tables for five acres in Air Monitoring Area 3, Southwest Coastal LA County.

The data provided in Table P shows that the on-going operations of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, the on-going operations of the proposed project would create a less than significant operations-related impact to local air quality due to onsite emissions and no mitigation would be required.

Therefore, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant.

Level of Significance

Less than significant impact.

10.4 Sensitive Receptors

The proposed project would not expose sensitive receptors to substantial pollutant concentrations. The local concentrations of criteria pollutant emissions produced in the nearby vicinity of the proposed project, which may expose sensitive receptors to substantial concentrations have been calculated above in Section 10.3 for both construction and operations, which are discussed separately below. The discussion below also includes an analysis of the potential impacts from toxic air contaminant emissions. The nearest sensitive receptors to the project site are residents at the multi-family homes located as near as 270 feet west of the project site.

Construction-Related Sensitive Receptor Impacts

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Construction activities may expose sensitive receptors to substantial pollutant concentrations of localized criteria pollutant concentrations and from toxic air contaminant emissions created from onsite construction equipment, which are described below.

Local Criteria Pollutant Impacts from Construction

The local air quality impacts from construction of the proposed project has been analyzed above in Section 10.3 and found that the construction of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, construction of the proposed project would create a less than significant construction-related impact to local air quality and no mitigation would be required.

Toxic Air Contaminants Impacts from Construction

The greatest potential for toxic air contaminant emissions would be related to diesel particulate matter (DPM) emissions associated with heavy equipment operations during construction of the proposed project. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "individual cancer risk". "Individual Cancer Risk" is the likelihood that a person

exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. It should be noted that the most current cancer risk assessment methodology recommends analyzing a 30 year exposure period for the nearby sensitive receptors (OEHHA, 2015).

Construction activities for the proposed project would result in the operation of diesel-powered haul trucks and off-road equipment that would operate between 270 feet and 1,000 feet from the nearest homes to the west. As detailed in Section 8.1 above, construction activities would generate up to 83 haul truck trips per day during the grading phase of construction. According to *Health Risk Assessments for Proposed Land Use Project*, prepared by CAPCOA, July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs). Since construction activities would generate less than the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur from construction-related haul trucks.

As detailed in Section 8.1 there would be up to nine pieces of diesel-powered off-road equipment operating simultaneously on the project site during the combined demolition and rough grading phase. All diesel-powered powered equipment would be required to adhere to California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 that regulates emissions from off-road diesel equipment in California. This regulation limits idling of equipment to no more than five minutes, requires equipment operators to label each piece of equipment and provide annual reports to CARB of their fleet's usage and emissions. This regulation also requires systematic upgrading of the emission Tier level of each fleet, and currently no commercial operator is allowed to purchase Tier 0 or Tier 1 equipment and by January 2023 no commercial operator is allowed to purchase Tier 2 equipment. In addition to the purchase restrictions, equipment operators need to meet fleet average emissions targets that become more stringent each year between years 2014 and 2023. As of January, 2019, 25 percent or more of all contractors' equipment fleets must be Tier 2 or higher. Given the relatively limited number of heavy-duty construction equipment, the varying distances that construction equipment would operate to the nearby sensitive receptors (i.e., 270 feet to 1,000 feet away from the nearest homes), and the short-term construction schedule, the proposed project would not result in a long-term (i.e., 30 or 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk. Therefore, no significant short-term toxic air contaminant impacts would occur during construction of the proposed project. As such, construction of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations.

Operations-Related Sensitive Receptor Impacts

The on-going operations of the proposed project may expose sensitive receptors to substantial pollutant concentrations from the potential local air quality impacts from onsite operations and from possible toxic air contaminant impacts.

Local Criteria Pollutant Impacts from Onsite Operations

The local air quality impacts from the operation of the proposed project would occur from onsite sources such as architectural coatings, landscaping equipment, and natural gas appliances, as well as from vehicle emissions on the project site and immediate vicinity of the project site. The analysis provided above in Section 10.3 found that the operation of the proposed project would not exceed the local NOx, CO, PM10 and PM2.5 thresholds of significance discussed above in Section 9.2. Therefore, the on-going operations

of the proposed project would create a less than significant operations-related impact to local air quality due to on-site emissions and no mitigation would be required.

Operations-Related Toxic Air Contaminant Impacts

Particulate matter (PM) from diesel exhaust is the predominant TAC in most areas and according to *The California Almanac of Emissions and Air Quality 2013 Edition*, prepared by CARB, about 80 percent of the outdoor TAC cancer risk is from diesel exhaust. Some chemicals in diesel exhaust, such as benzene and formaldehyde have been listed as carcinogens by State Proposition 65 and the Federal Hazardous Air Pollutants program. According to *Health Risk Assessments for Proposed Land Use Project*, prepared by CAPCOA, July 2009, recommends that sensitive receptors should not be placed within 1,000 feet of distribution centers that generate more than 100 trucks per day or more than 40 trucks per day with transport refrigeration units (TRUs).

According to the ITE Trip Generation 10th Edition Supplement, Version 2/20/20, for the ITE Land Use 710 – General Office Building, daily truck trips represent 1 percent of the overall trip generation for the proposed project. Since the Traffic Scoping Letter (Kimley-Horn, 2020) found that the proposed project would generate 2,797 gross daily trips, this would result in 28 daily truck trips per day or 14 truck deliveries per day to the project site. Since the proposed project would generate well below the 100 trucks per day threshold that would have the potential to create a significant TAC impact at the nearby sensitive receptors as determined by CAPCOA's screening criteria, a less than significant TAC impact would occur during the on-going operations of the proposed project and no mitigation would be required.

Therefore, operation of the proposed project would result in a less than significant exposure of sensitive receptors to substantial pollutant concentrations.

Level of Significance

Less than significant impact.

10.5 Odor Emissions

The proposed project would not create objectionable odors affecting a substantial number of people. Individual responses to odors are highly variable and can result in a variety of effects. Generally, the impact of an odor results from a variety of factors such as frequency, duration, offensiveness, location, and sensory perception. The frequency is a measure of how often an individual is exposed to an odor in the ambient environment. The intensity refers to an individual's or group's perception of the odor strength or concentration. The duration of an odor refers to the elapsed time over which an odor is experienced. The offensiveness of the odor is the subjective rating of the pleasantness or unpleasantness of an odor. The location accounts for the type of area in which a potentially affected person lives, works, or visits; the type of activity in which he or she is engaged; and the sensitivity of the impacted receptor.

Sensory perception has four major components: detectability, intensity, character, and hedonic tone. The detection (or threshold) of an odor is based on a panel of responses to the odor. There are two types of thresholds: the odor detection threshold and the recognition threshold. The detection threshold is the lowest concentration of an odor that will elicit a response in a percentage of the people that live and work in the immediate vicinity of the project site and is typically presented as the mean (or 50 percent of the population). The recognition threshold is the minimum concentration that is recognized as having a characteristic odor quality, this is typically represented by recognition by 50 percent of the population. The intensity refers to the perceived strength of the odor. The odor character is what the substance smells

like. The hedonic tone is a judgment of the pleasantness or unpleasantness of the odor. The hedonic tone varies in subjective experience, frequency, odor character, odor intensity, and duration. Potential odor impacts have been analyzed separately for construction and operations below.

Construction-Related Odor Impacts

Potential sources that may emit odors during construction activities include the application of coatings such as asphalt pavement, paints and solvents and from emissions from diesel equipment. Standard construction requirements that limit the time of day when construction may occur as well as SCAQMD Rule 1108 that limits VOC content in asphalt and Rule 1113 that limits the VOC content in paints and solvents would minimize odor impacts from construction. As such, the objectionable odors that may be produced during the construction process would be temporary and would not likely be noticeable for extended periods of time beyond the project site's boundaries. Through compliance with the applicable regulations that reduce odors and due to the transitory nature of construction odors, a less than significant odor impact would occur and no mitigation would be required.

Operations-Related Odor Impacts

The proposed project would consist of the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes the demolition of the existing surface parking lot and construction of a new 7-story office building with an integrated parking structure with 1,185 parking spaces ("Building C"). Potential sources that may emit odors during the on-going operations of the proposed project would primarily occur from the trash storage areas. Pursuant to City regulations, permanent trash enclosures that protect trash bins from rain as well as limit air circulation would be required for the trash storage areas. Due to the distance of the nearest receptors from the project site and through compliance with SCAQMD's Rule 402 and City trash storage regulations, no significant impact related to odors would occur during the on-going operations of the proposed project. Therefore, a less than significant odor impact would occur and no mitigation would be required.

Therefore, a less than significant odor impact would occur and no mitigation would be required.

Level of Significance

Less than significant impact.

10.6 Energy Consumption

The proposed project would impact energy resources during construction and operation. Energy resources that would be potentially impacted include electricity, natural gas, and petroleum based fuel supplies and distribution systems. This analysis includes a discussion of the potential energy impacts of the proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy. A general definition of each of these energy resources are provided below.

Electricity, a consumptive utility, is a man-made resource. The production of electricity requires the consumption or conversion of energy resources, including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources, into energy. The delivery of electricity involves a number of system components, including substations and transformers that lower transmission line power (voltage) to a level appropriate for on-site distribution and use. The electricity generated is distributed through a network of transmission

and distribution lines commonly called a power grid. Conveyance of electricity through transmission lines is typically responsive to market demands. According to http://www.ecdms.energy.ca.gov/elecbycounty.aspx, in 2019, Los Angeles County consumed 66,118 Gigawatt-hours per year of electricity.

Natural gas is a combustible mixture of simple hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas consumed in California is obtained from naturally occurring reservoirs, mainly located outside the State, and delivered through high-pressure transmission pipelines. The natural gas transportation system is a nationwide network and, therefore, resource availability is typically not an issue. Natural gas satisfies almost one-third of the State's total energy requirements and is used in electricity generation, space heating, cooking, water heating, industrial processes, and as a transportation fuel. Natural gas is measured in terms of cubic feet. According to http://www.ecdms.energy.ca.gov/gasbycounty.aspx, in 2019, Los Angeles County consumed 3,048.32 Million Therms of natural gas.

Petroleum-based fuels currently account for a majority of the California's transportation energy sources and primarily consist of diesel and gasoline types of fuels. However, the state has been working on developing strategies to reduce petroleum use. Over the last decade California has implemented several policies, rules, and regulations to improve vehicle efficiency, increase the development and use of alternative fuels, reduce air pollutants and GHG emissions from the transportation sector, and reduce vehicle miles traveled (VMT). Accordingly, petroleum-based fuel consumption in California has declined. According to "2010-2017_A15_Results.xlsx" obtained from: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/, in 2017, 3,659 million gallons of gasoline and 300 million gallons of diesel was sold in Los Angeles County.

The following section calculates the potential energy consumption associated with the construction and operations of the proposed project and provides a determination if any energy utilized by the proposed project is wasteful, inefficient, or unnecessary consumption of energy resources.

Construction Energy

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. The proposed project would consume energy resources during construction in three (3) general forms:

1. Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project Site, construction worker travel to and from the Project Site, as well as delivery and haul truck trips (e.g. hauling of demolition material to off-site reuse and disposal facilities);
2. Electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power; and,
3. Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction-Related Electricity

During construction the proposed project would consume electricity to construct the new structures and infrastructure. Electricity would be supplied to the project site by Southern California Edison (SCE) and would be obtained from the existing electrical lines on the project site. The use of electricity from existing power lines rather than temporary diesel or gasoline powered generators would minimize impacts on energy use. Electricity consumed during project construction would vary throughout the construction period based on the construction activities being performed. Various construction activities include electricity associated with the conveyance of water that would be used during project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power. Such electricity demand would be temporary, nominal, and would cease upon the completion of construction. Overall, construction activities associated with the proposed project would require limited electricity consumption that would not be expected to have an adverse impact on available electricity supplies and infrastructure. Therefore, the use of electricity during project construction would not be wasteful, inefficient, or unnecessary.

Since SCE already provides power to the project site, it is anticipated that only nominal improvements would be required to SCE distribution lines and equipment with development of the proposed project. Compliance with City's guidelines and requirements would ensure that the proposed project fulfills its responsibilities relative to infrastructure installation, coordinates any electrical infrastructure removals or relocations, and limits any impacts associated with construction of the project. Construction of the project's electrical infrastructure is not anticipated to adversely affect the electrical infrastructure serving the surrounding uses or utility system capacity.

Construction-Related Natural Gas

Construction of the proposed project typically would not involve the consumption of natural gas. Natural gas would not be supplied to support construction activities, thus there would be no demand generated by construction. Since SoCal Gas already provides natural gas to the project site, construction-related activities would be limited to installation of new natural gas connections within the project site. Development of the proposed project would not require extensive infrastructure improvements to serve the project site. Construction-related energy usage impacts associated with the installation of natural gas connections are expected to be confined to trenching in order to place the lines below surface. In addition, prior to ground disturbance, the proposed project would notify and coordinate with SoCalGas to identify the locations and depth of all existing gas lines and avoid disruption of gas service. Therefore, construction-related impacts to natural gas supply and infrastructure would be less than significant.

Construction-Related Petroleum Fuel Use

Petroleum-based fuel usage represents the highest amount of transportation energy potentially consumed during construction, which would utilized by both off-road equipment operating on the project site and on-road automobiles transporting workers to and from the project site and on-road trucks transporting equipment and supplies to the project site.

The off-road construction equipment fuel usage was calculated through use of the off-road equipment assumptions and fuel use assumptions shown above in Section 8.2, which found that the off-road equipment utilized during construction of the proposed project would consume 43,106 gallons of fuel. The on-road construction trips fuel usage was calculated through use of the construction vehicle trip

assumptions and fuel use assumptions shown above in Section 8.2, which found that the on-road trips generated from construction of the proposed project would consume 112,908 gallons of fuel. As such, the combined fuel used from off-road construction equipment and on-road construction trips for the proposed project would result in the consumption of 156,015 gallons of petroleum fuel. This equates to 0.0039 percent of the gasoline and diesel consumed in the County of Los Angeles annually. As such, the construction-related petroleum use would be nominal, when compared to current petroleum usage rates.

Construction activities associated with the proposed project would be required to adhere to all State and SCAQMD regulations for off-road equipment and on-road trucks, which provide minimum fuel efficiency standards. As such, construction activities for the proposed project would not result in the wasteful, inefficient, and unnecessary consumption of energy resources. Impacts regarding transportation energy would be less than significant. Development of the proposed project would not result in the need to manufacture construction materials or create new building material facilities specifically to supply the proposed project. It is difficult to measure the energy used in the production of construction materials such as asphalt, steel, and concrete, it is reasonable to assume that the production of building materials such as concrete, steel, etc., would employ all reasonable energy conservation practices in the interest of minimizing the cost of doing business.

Operational Energy

The on-going operation of the proposed project would require the use of energy resources for multiple purposes including, but not limited to, heating/ventilating/air conditioning (HVAC), refrigeration, lighting, appliances, and electronics. Energy would also be consumed during operations related to water usage, solid waste disposal, landscape equipment and vehicle trips.

Operations-Related Electricity

Operation of the proposed project would result in consumption of electricity at the project site. The proposed project would consume electrical energy for interior and exterior lighting, heating and cooling systems, a variety of electrical appliances and office machinery, electrical vehicle charging infrastructure, and for outdoor irrigation system controls. As detailed above in Section 8.3 the proposed project would consume 598,220 kilowatt-hours per year of electricity. This equates to 0.0098 percent of the electricity consumed annually in the County of Los Angeles. As such, the operations-related electricity use would be nominal, when compared to current electricity usage rates in the County.

It should be noted that, the proposed project would comply with all Federal, State, and City requirements related to the consumption of electricity, that includes CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed office buildings, including enhanced insulation, use of energy efficient lighting and appliances, water and space heating systems, as well as requiring a variety of other energy-efficiency measures to be incorporated into the proposed office structures. Therefore, it is anticipated the proposed project will be designed and built to minimize electricity use and that existing and planned electricity capacity and electricity supplies would be sufficient to support the proposed project's electricity demand. Thus, the project would not result in the wasteful or inefficient use of electricity and no mitigation measures would be required.

Operations-Related Natural Gas

Operation of the proposed project would result in increased consumption of natural gas at the project site. As detailed above in Section 8.3 the proposed project would consume 3,435 MBTU per year of

natural gas. This equates to 0.0011 percent of the natural gas consumed annually in Los Angeles County. As such, the operations-related natural gas use would be nominal, when compared to current natural gas usage rates in the County.

It should be noted that, the proposed project would comply with all Federal, State, and City requirements related to the consumption of natural gas, that includes CCR Title 24, Part 6 *Building Energy Efficiency Standards* and CCR Title 24, Part 11: *California Green Building Standards.* The CCR Title 24, Part 6 and Part 11 standards require numerous energy efficiency measures to be incorporated into the proposed project, including enhanced insulation as well as use of efficient natural gas appliances and HVAC units. Therefore, it is anticipated the proposed project will be designed and built to minimize natural gas use and that existing and planned natural gas capacity and natural gas supplies would be sufficient to support the proposed project's natural gas demand. Thus, impacts with regard to natural gas supply and infrastructure capacity would be less than significant and no mitigation measures would be required

Therefore, the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation. Impacts would be less than significant.

Level of Significance

Less than significant impact.

10.7 Energy Plan Consistency

The proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Although the City has not adopted any specific plans that address energy efficiency, the City adopted the El Segundo CAP on December 2017, that has been prepared to help the City comply with the City's GHG emissions reduction goals through implementation of many measures that also result in energy conservation and efficiency. The City's Municipal Code, Section Chapter 11 Green Building Standards Code, requires all development projects in the City to meet the California Green Building Standards Code (CalGreen) building requirements that require the proposed project to implement various energy efficiency design features into the proposed office buildings. The CalGreen building requirements have been detailed above in Section 5.1 of this Report. As such, the proposed project would be designed to meet all applicable State building energy efficiency standards as well as to meet the City's energy efficiency standards. Therefore, the proposed project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts would be less than significant.

Level of Significance

Less than significant impact.

10.8 Generation of Greenhouse Gas Emissions

The proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. The proposed project would consist of the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes the demolition of the existing surface parking lot and construction of a new 7-story office building with an integrated parking structure with 1,185 parking spaces ("Building C").

The El Segundo CAP has been prepared to help the City comply with the City's GHG emissions reduction goals as well as State and federal regulations that include AB 32, SB 32, and the 2017 Climate Change Scoping Plan Update GHG emission reduction goals. The El Segundo CAP states "Within the CEQA process, a qualified CAP framework offers the ability to streamline future CEQA greenhouse gas analyses by being able to tier off the climate action plan."

In order to show consistency with the CAP, quantification of the proposed project's GHG emissions are not required. However, the proposed project's GHG emissions have been provided for informational purposes only. The project's GHG emissions have been calculated with the CalEEMod model based on the construction and operational parameters detailed above in Section 8.1. A summary of the results is shown below in Table O and the CalEEMod model run is provided in Appendix C.

Table O – Project Related Greenhouse Gas Annual Emissions

	Greenhouse Gas Emissions (Metric Tons per Year)			
Category	**CO_2**	**CH_4**	**N_2O**	**CO_2e**
Area Sources[1]	0.04	<0.00	<0.00	0.04
Energy Usage[2]	2,238.14	0.09	0.02	2,246.58
Mobile Sources[3]	2,866.53	0.14	<0.00	2,870.15
Solid Waste[4]	31.15	1.84	<0.00	77.17
Water and Wastewater[5]	340.56	1.63	0.04	393.39
Construction[6]	52.44	<0.00	<0.00	52.55
Total GHG Emissions	**5,528.86**	**3.70**	**0.06**	**5,639.89**

Notes:
[1] Area sources consist of GHG emissions from consumer products, architectural coatings, and landscaping equipment.
[2] Energy usage consists of GHG emissions from electricity and natural gas usage.
[3] Mobile sources consist of GHG emissions from vehicles.
[4] Waste includes the CO_2 and CH_4 emissions created from the solid waste placed in landfills.
[5] Water includes GHG emissions from electricity used for transport of water and processing of wastewater.
[6] Construction emissions amortized over 30 years as recommended in the SCAQMD GHG Working Group on November 19, 2009.
Source: CalEEMod Version 2016.3.2.

The data provided in Table O shows that the proposed project would create 5,639.89 $MTCO_2e$ per year. It should be noted that Table O is based on current emission rates from area sources, energy usage, solid waste, water and wastewater sources. Future State regulations, including SB 100 that requires 100 percent of retail sales of electricity to be generated from zero-carbon emissions sources by 2045, which along with other regulations will result in reducing these emissions sources to near zero levels. In addition, the transportation sources only incorporate previously adopted state regulations and do not account for recent state regulations, including the anticipated reductions from Executive Order N-79-20 that requires 100 percent of new passenger vehicles sold in California to be zero-emissions by 2035. The GHG emission reduction strategies provided in the El Segundo CAP would further reduce the GHG emissions shown in

Table P.

Level of Significance

Less than significant impact.

10.9 Greenhouse Gas Plan Consistency

The proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing GHG emissions. The applicable plan for the proposed project would be the CAAP. The proposed project's consistency with GHG emissions reduction strategies in the CAAP is shown in Table P.

Table P – Consistency with the El Segundo CAP

Sub-Strategies	Project Consistency
Goal LUT: A – Accelerate the Market for EV Vehicles	
LUT: A1 EV Parking Policies	**Not Applicable**. This Strategy requires the City to consider to allow reduction of parking spaces in exchange for EV or NEWV parking. The project applicant is not requesting a reduction in parking spaces.
LUT: A1.1 Offer free parking to EVs	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A1.1 Offer reduced-price EV parking	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A1.1 Lower parking minimums for developments provided EV parking	**Not Applicable**. The project applicant is not requesting a reduction in parking spaces. However, the proposed project is providing EV parking spaces.
LUT: A2 EV Charging Policies	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.1 Install level 1, 2, and DC 3 charging in city-owned parking lots	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.2 Install charging at city-owned facilities.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.3 Provide on-street level 1 and 2 charging.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A2.4 Adopt charging standards beyond CalGreen 2016 requirements.	**Not Applicable**. This action is applicable to the City to implement. However, the proposed project is required to meet CalGreen 2016 requirements.
LUT: A2.5 Create policies that encourage facility owners to provide level 1 charging.	**Not Applicable**. This action is applicable to the City to implement. However, the proposed project will include designated EV parking.
LUT: A2.6 Cooperate with regional agencies to expand charging networks.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3 Administrative Redness	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3.1 Offer online permitting to streamline the application process.	**Not Applicable**. This action is applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: A3.2 Minimize time to complete inspection.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A3.3 Offer inspection within 24 hours of request.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A4 Public Information Projects	**Not Applicable**. This action is applicable to the City to implement.
LUT: A4.1 Publicize EV programs through a variety of media.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A5 Multi-Modal Streets Complete Streets	**Not Applicable**. This action is applicable to the City to implement.
LUT: A5.1 Publicize city charging and parking policies.	**Not Applicable**. This action is applicable to the City to implement.
LUT: A5.2 Provide signage, maps, and information for slow speed vehicles.	**Not Applicable**. This action is applicable to the City to implement.
Goal LUT: B – Encourage Ride-Sharing	
LUT: B1 Facilitate Private and Public Mobility Services (Ride-Hailing, Ride-Sharing, Car-Sharing, Bike-Sharing)	**Not Applicable**. This policy is only applicable to the City to work with private and public services to provide different types of mobility services for sharing.
LUT: B1.1 Facilitate bike-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project provides both short-term and long-term bike parking.
LUT: B1.2 Facilitate car-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project is over parked and the extra parking spaces could be used for a car-sharing use in the future.
LUT: B1.3 Facilitating ride-hailing and ride-sharing.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project is over parked and the extra parking spaces could be used for ride-hailing and ride-sharing uses in the future.
LUT: B1.4 Remove barriers to private sector bike and car-sharing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: B1.5 Assist private sector organizations to secure funding.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: B1.6 Conduct a ride/bike sharing study or plan.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: C – Encourage Transit Usage	
LUT: C1 Provide a Bus Rapid Transit (BRT) System	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C1.1 Work with Transit Agency to implement a Bus Rapid Transit System.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C1.2 Work with Transit Agency to add additional bus rapid transit routes.	**Not Applicable**. This policy is only applicable to the City to implement
LUT: C1.3 Collaborate with neighboring cities/SBCCOG for a regional transit system.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2 Expand Transit Network	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: C2.1 Work with Transit Agency to expand bus and rail transit network	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.2 Work with Transit Agency to improve connectivity.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.3 Collaborate with a range of agencies to expand funding for transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.4 Work with Transit Agency to improve transit amenities.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.5 Work with Transit Agency to better accommodate bicycles.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.6 Prioritize funding around transit stations to encourage walking and biking.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.7 Implement first/last mile improvements at stations/destinations.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.8 Introduce a fixed-route transit service in the jurisdiction.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.9 Provide/expand local shuttle services.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.10 Explore programs to offer discounted transit passes.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C2.11 Fund transit services for elderly and handicap.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C3 Increase Transit Service Frequency and Speed	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: C3.1 Work with Transit Agency to increase service frequency and speed.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: D – Adopt Active Transportation Initiatives	
LUT: D1 Provide Traffic Calming Measures	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures in future developments.
LUT: D1.1 Conduct a pedestrian/bicycle study.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will provide an onsite pedestrian and bicycle circulation system and facilities.
LUT: D1.2 Use traffic calming measures on streets where feasible.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures on the project site.
LUT: D1.3 Implement traffic calming measures in future developments.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures on the project site.
LUT: D1.4 Promote traffic calming measures in future developments.	**Consistent.** The proposed project meets the City's requirements to provide traffic calming measures in future developments.
LUT: D2 Provide Pedestrian/Bicycle Networks Improvements	**Consistent.** The proposed project provides an onsite pedestrian and bicycle circulation system and associated amenities.

Sub-Strategies	Project Consistency
LUT: D2.1 Provide pedestrian and bicycle networks.	**Consistent.** The proposed project does provide pedestrian and bicycle circulation.
LUT: D3 Improve Design of Development.	**Consistent.** The proposed project is an improvement over the existing uses on the project site that would result in promoting design development.
LUT: D3.1 Amend the Bicycle and Pedestrian Master Plan.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide an onsite pedestrian and bicycle circulation system.
LUT: D3.2 Require bicycle parking through the Zoning Code or other implementation documents.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide both short term and long term bicycle parking.
LUT: D3.3 Require new developments to provide pedestrian, bicycle, and transit amenities.	**Consistent.** The proposed project would provide pedestrian and bicycle amenities.
LUT: D3.4 Amend the zoning ordinance to require shower facilities and dressing areas for new developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.5 Require commercial and multi-family residential projects to provide permanent bicycle parking facilities.	**Consistent.** The proposed project would provide permanent (long-term) bicycle parking locations.
LUT: D3.6 Provide short and long-term bicycle parking near key areas.	**Consistent.** The proposed project would provide both short and long-term bicycle parking on the project site.
LUT: D3.7 Develop appropriate bicycle infrastructure for high traffic intersections and corridors.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide a bicycle circulation system.
LUT: D3.8 Develop appropriate infrastructure within pedestrian sheds of key areas.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.9 Retrofit bicycle racks and parking facilities in underserved areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.10 Create of bicycle lanes, routes, and shared-use paths into street systems, new subdivisions, and large developments.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.11 Improve active transportation networks (Identify gaps/deficiencies and implement projects to address them)	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.12 Construct or improve pedestrian infrastructure around transit.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project would provide an onsite pedestrian circulation system.
LUT: D3.13 Develop active transportation networks for Transit-Oriented District station area plans.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: D3.14 Implement policies to minimize conflicts between pedestrians and motorists. Identify pedestrian collision hot spots.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: E – Parking Strategies	
LUT: E1 Limit Parking Supply	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: E1.1 Create parking benefit districts which invest meter revenue in other public amenities.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.2 Reduce/eliminate parking minimums for new developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.3 Reduce/eliminate parking minimums for mixed-use, pedestrian, and transit-oriented developments.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E1.4 Implement parking pricing to a downtown area.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E2 Unbundle Parking Cost from Property Costs	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E2.1 Adopt a comprehensive parking policy to unbundle the true cost of providing parking.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E2.2 Encourage developers of new development to unbundle parking and eliminate the assignment of specific stalls.	**Consistent.** The proposed project parking structure would not assign specific stalls other than for electric and clean air vehicle spaces within the public parking areas.
LUT: E3 Implement On-Street Marking Pricing	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E3.1 Implement on-street parking pricing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E3.2 Change policies to disincentive parking within downtown.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4 Residential Area Parking Permits	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4.1 Institute residential parking programs.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: E4.2 Institute residential permit parking.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: F – Organizational Strategies	
LUT: F1 Encourage Telecommuting and Alternative Work Schedules	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F1.1 Encourage municipal telecommuting and alternative work schedules (voluntary)	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F1.2 Encourage local employers to implement and alternative work schedules.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2 Implement a Commute Trip Reduction Program	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.1 Establish a commute trip reduction marketing campaign.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.2 Work with local employers encouraging subsidized or discounted transit programs.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.3 Work with local employers to increase carpooling.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.4 Encourage employers to provide vanpool and shuttles from major stations.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: F2.5 Implement a (voluntary) commute trip reduction program.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F2.6 Implement an employee education program	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F3 Provide Car-Sharing Programs	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: F3.1 Implement a car-sharing program	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: G – Land Use Strategies	
LUT: G1 Increase Density	**Consistent.** The proposed project provides higher density.
LUT: G1.1 Encourage higher density through general plan appropriately in targeted areas.	**Consistent.** The proposed project provides higher density in an area general planned appropriately.
LUT: G1.2 Encourage higher density through zoning code appropriately in targeted areas.	**Consistent.** The proposed project is consistent with zoning code for higher density.
LUT: G1.3 Increase housing density near transit.	**Consistent.** The proposed project provides housing near bus/transit routes.
LUT: G2 Increase Diversity	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.1 Update mixed-use policies in General Plan.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.2 Encourage mixed-use policies through Zoning Code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.3 Encourage transitions from single-family to higher intensity mixed-uses.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.4 Encourage mixed-use and infill development projects in key in-fill areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.5 Revise development standards that act as barriers to mixed-use projects.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.6 Conduct land use/market analysis to identify sites that could support new or expanded neighborhood centers.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G2.7 Encourage new mixed-use development near transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G3 Increase Destination Accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G3.1 Increase destination accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4 Increase Transit Accessibility.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.1 Encourage Transit Accessibility through general plan.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.2 Encourage Transit Accessibility through zoning code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.3 Update travel demand ordinance.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
LUT: G4.4 Conduct a public transit gap study.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.5 Provide a shuttle service connecting areas.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G4.6 Establish commuter shuttles linking business districts with transit.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G5 Integrate Affordable and Below-Market Housing.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G5.1 Encourage policies that promote a mix of housing types.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6 Develop a NOD Plan	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.1 Amend zoning code or general plan to encourage higher density and smaller scale "Business Establishment Density."	**Consistent.** The proposed project would result in higher density general office uses, when compared to the existing conditions.
LUT: G6.2 Establish NOD centers in zoning code.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.3 Support higher Business Establishment Density with NOD centers.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: G6.4 Encourage business establishment mix that promote walking.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal LUT: H – Digital Technology Strategies	
LUT: H1 Collaborate on and Implement the South Bay Digital Master Plan	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.1 Implement the South Bay Digital Master Plan "South Bay Net."	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.2 Implement e-government initiatives.	**Not Applicable**. This policy is only applicable to the City to implement.
LUT: H1.3 Develop city-wide area networks to connect public facilities and other key buildings with each other and the South Bay Net.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: A – Increase Energy Efficiency in existing Residential Units	
EE: A1 EE Training, Education and Recognition.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.1 Post links on website/social media and provide materials at Public Events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.2 Email list for email blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.3 Establish an annual EE Fair.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.4 Create a resource center.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A1.5 Hire/Designate Energy Advocate.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EE: A1.6 Partner with South Bay Cities Council of Governments and Utilities to obtain educational content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2 Increase Participation in Existing EE Programs	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2.1 Partner with SBCCOG and Utilities for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A2.2 Staff outreach to home owners associations (HOAs) and other housing groups.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3 Establish, Promote or Require Home Energy Evaluations.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3.1 Promote home energy audits through programs such as Energy Upgrade California or other State programs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A3.2 Establish free "Energy Checkup" program with the assistance of the SBCCOG if funding can be obtained.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4 Promote, Incentivize or Require Home Energy Renovations	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.1 Promote existing incentivized programs such as Energy Upgrade California.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.2 Develop or promote a green building program.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will be designed to meet the most current CalGreen requirements.
EE: A4.3 Promote Financing Programs such as PACE (Properly Assessed Clean Energy).	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.4 Streamline panel upgrade when it does not involve relocation.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: A4.5 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: B – Increase Energy Efficiency in New Residential Developments	
EE: B1 Increase Energy Efficiency in New Residential Developments.	**Not Applicable**. The proposed project is not new residential development.
EE: B1.1 Educate City staff, developers, etc., on future Title 24 updates and the additional energy efficiency opportunities for new residential development.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: B1.2 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: B1.3 Create an Energy award program for net-zero-net energy homes.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: C – Increase Energy Efficiency in Existing Commercial Units	
EE: C1 EE Training and Education	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.1 Post links on websites/social media and provide materials at public events.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EE: C1.2 Email list for e-mail blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.3 Establish an annual EE fair.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.4 Create a resource center.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.5 Hire/Designate Energy Advocate.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C1.6 Partner with SBCCOG and Utilities to obtain education content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2 Increase Participation in Existing EE Programs	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2.1 Partner with SBCCOG and Utilities for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C2.2 Staff outreach to business groups.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C3 Incentivize or Required Non-Residential Energy Audits	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C3.1 Promote energy audits such as through Energy Upgrade California or other state programs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4 Promote or Require Commercial Energy Retrofits	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.1 Promote existing incentivized programs such as Energy Upgrade California.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.2 Develop or promote a green building program.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.3 Promote Financing Programs such as PACE (Properly Assessed Clean Energy).	**Not Applicable**. This policy is only applicable to the City to implement.
EE: C4.4 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: D – Increase Energy Efficiency in New Commercial Developments	
EE: D Encourage or Require EE Standards Exceeding Title 24	**Consistent.** The proposed project will be designed to meet or exceed existing Title 24 requirements.
EE: D1.1 Educate City staff, developers, etc., on future Title 24 updates and the additional energy efficiency opportunities for new commercial development.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: D1.2 Establish online permitting to facilitate permit processing.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: D1.3 Create and energy award program from net-zero-net-energy businesses.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: E – Increase Energy Efficiency through Increased Water Efficiency (WE)	
EE: E1 Promote or Require Water Efficiency Through SB X7-7.	**Not Applicable**. This policy is only applicable to the City to implement. However, the project is required to meet Title 24 Part 11 related to water efficacy.
EE: E1.1 Post links on website/social media and provide materials at public events.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
EE: E1.2 Email list for e-mail blasts of new information or trainings.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E1.3 Require low-irrigation landscaping.	**Consistent.** The proposed project will provide low-irrigation landscaping.
EE: E1.4 Partner with SBCCOG and WBMWD to obtain educational content.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E1.5 Partner with SBCCOG and WBMWD for outreach events.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.1 Staff time dedicated to work with HOAs, businesses, and other groups for outreach.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2 Promoting Water Efficiency Standards Exceeding SB X7-7	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.2 Allow recycled or grey water uses for non-municipal uses.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: E2.3 Promote rainwater rebates and demonstrations.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: F – Decrease Energy Demand through Reducing Urban Heat Island Effect	
EE: F1 Promote Tree Planting for Shading and EE	**Consistent.** The proposed project provides a landscape plan that provides trees for shading.
EE: F1.1 Encourage tree planting at plan check.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project does provide a landscape plan with planting palette.
EE: F1.2 Work with community to develop a tree-planting group.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F1.3 Develop a city tree planting program.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F2.1 Pass an ordinance requiring or incentivizing cool roofs.	**Not Applicable**. This policy is only applicable to the City to implement.
EE: F2.2 Pass an ordinance requiring or incentivizing cool pavements.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EE: G – Participate in Education, Outreach and Planning for Energy Efficiency	
No Sub-Strategies provided for this Goal.	
Goal EE: H – Increase Energy Efficiency in Municipal Buildings	
No Sub-Strategies provided for this Goal.	
Goal EE: I – Increase Energy Efficiency in City Infrastructure	
No Sub-Strategies provided for this Goal.	
Goal SW: A – Increase Diversion and Reduction of Residential Waste	
SW: A1.1 Educate residents about waste reduction and diversion – Provide information to residents about recycling, composting, and source reduction opportunities on the website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: A2.1 Implement collection of green waste for residents – Provide a green waste collection service for residents by expanding current services that offer drop-off site at Public Works yard.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
Goal SW: B – Increase Diversion and Reduction of Commercial Waste	
SW: B1.1 Educate businesses about waste reduction and diversion – Provide information to businesses about recycling, composting, and source reduction opportunities on the website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: B2.1 Implement a Food Scrap Diversion program for businesses – Provide a food waste collection service for businesses.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: B3.1 Require food waste and recycling at special events – Before approving permits, investigate requiring special events' solid waste management plans to include food waste collection and recycling; note- waste planning is required for large venues and events under the CA law AB 2176.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal SW: C – Increase Diversion and Reduction of Overall Community Waste	
SW: C1.1 Investigate the feasibility of setting a Zero Waste goal in a Zero Waste Strategic Plan – If found feasible, develop a comprehensive Zero Waste Plan to achieve 90% diversion of waste from landfills, including strategies to divert waste and tools to track progress.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: C1.2 Investigate the feasibility of setting a goal of diverting waste from landfill by (percentage to be determined when adopting a goal) – If found feasible, develop a comprehensive Waste Plan to achieve by (percentage to be determined when adopting a plan) diversion of waste from landfills, including strategies to divert waste and tools to track progress.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal SW: D – Reduce and Divert Municipal Waste	
SW: D1.1 Implement a Recycle at Work program – educate employees about the benefits of recycling and waste reduction in the work place.	**Consistent.** The proposed project will be required to meet the Cal Recycles standards related to construction and operation of the proposed project.
SW: D1.2 Reduce paper in municipal facilities – Adopt a policy to encourage paper reduction through various activities such as: Reduce margins and logos on templates, letterheads, and memos; Upload bid documents using online resources instead of printing for contractors; Require fewer or smaller-sized copies of project plans; Use electronic devices for meetings; Require double sided printing when feasible.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.3 Reuse materials at municipal facilities – Adopt a policy to re-use, repair, or refurbish office furniture and equipment at a cost savings compared to purchasing new materials; And if not cost saving, re-use or redistribute office items such as supplies, computers, and furniture to community non-profit groups in order to divert from landfill.	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
SW: D1.4 Provide additional recycling in public places – Continue to install additional recycling containers in public places such as parks and streets.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.5 Adopt a Municipal Purchasing Policy – Create a purchasing policy for municipal facilities to reduce purchase of disposable items, and require environmentally preferable products to be purchased when possible and reasonable.	**Not Applicable**. This policy is only applicable to the City to implement.
SW: D1.6 Demonstrate composting at a municipal facility – Investigate composting at city facilities and possibly use the compost in environmentally friendly landscaping at facilities or community gardens.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal UG: A – Increase and Maintain Urban Greening in the Community	
UG: A1.1 Establish/maintain a community garden – Create a new or maintain a current community garden.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A1.2 Promote gardening and composting – Provide resources and information regarding community gardens and composting to educate the public on how to grow organic edible plants.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A1.3 Organize tool lending program and bounty exchange – Work with community organizations or neighborhood groups to organize garden-tool lending program and/or a garden bounty exchange program to encourage more community gardens.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A2.1 Promote rooftop gardens for residential and commercial buildings - Provide informational materials to contractors, homeowners and businesses about the benefits of rooftop gardens.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A3.1 Establish a local farmers market – Work with local organizations to establish farmer markets in the community.	**Not Applicable**. This policy is only applicable to the City to implement.
UG: A3.2 Promote farmers market – Promote farmers market to the community through website, newsletters, or flyers.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal UG: B – Increase and Maintain Urban Greening in Municipal Facilities	
UG: B1.1 Landscape/open space and tree maintenance – Develop a program to conserve open spaces and trees and promote the ability of such resources to remove carbon from the atmosphere.	**Not Applicable**. This policy is only applicable to the City to implement.
Goal EGS: A – Support Energy Generation and Storage in the Community	
EGS: A1.1 Investigate the feasibility of Community Choice Aggregation.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A2.1 Accelerate implementation of renewable and alternative energy based technology through permitting process (e.g. reduced permit fees, streamlined permit approval process) – City can identify and remove regulatory barriers or procedural barriers to installing alternative energy	**Not Applicable**. This policy is only applicable to the City to implement.

Sub-Strategies	Project Consistency
technologies in building and development codes, design guidelines, and zoning ordinances; and work with related agencies, such as fire, water, health and others that may have policies or requirements that adversely impact the development or use of renewable energy technologies.	
EGS: A2.2 Encourage and support on-site installation and use of renewable and alternative energy generation systems for residential, commercial, institutional, and industrial uses.	**Not Applicable**. This policy is only applicable to the City to implement. However, the proposed project will be designed to meet Title 24 requirements related to renewable and alternative energy generation systems.
EGS: A3.1 Develop and adopt policies for generating energy from renewable and alternative sources such as solar power (includes PV and thermal), microgrids, energy storage, co-generation, wind, geothermal, biomass, and fuel cells.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A4.1 Work with investor-owned utilities or CCAs and local, regional, and state partners to identify, implement, or promote financial tools to encourage on-site alternative and renewable energy generation projects.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A4.2 Update the City's website to include links to information for renewable and alternative energy rebates, incentives, and case studies.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A4.3 Promote community awareness to conserve energy in conjunction with using renewable and alternative energy.	**Not Applicable**. This policy is only applicable to the City to implement.
EGS: A5.1 Explore renewable and alternative energy technologies – Explore renewable and alternative energy technologies including solar photovoltaics (PV), solar thermal, microgrids, energy storage, wind, geothermal, wave/tidal, and fuel cells to increase capacity for municipal operated and owned facilities and properties, and evaluate their suitability.	**Not Applicable**. This policy is only applicable to the City to implement.

Source: City of El Segundo CAP, 2017.

As shown in Table P, with implementation of statewide regulatory requirements including the CalGreen building standards that have been codified in Chapter 11 of the Municipal Code, the proposed project would be consistent with all applicable strategies detailed in the El Segundo CAP. Therefore, implementation of the proposed project would not conflict with any applicable plan that reduces GHG emissions.

Level of Significance

Less than significant impact.

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APPENDIX A

CalEEMod Model Daily Printouts

The 650 PCH Project

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	329.99	1000sqft	3.31	329,991.00	0
Enclosed Parking with Elevator	1,185.00	Space	0.50	474,000.00	0
Parking Lot	71.00	Space	0.64	28,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total acres disturbed 4.45 acres

Construction Phase - Construction Schedule provided by applicant

Off-road Equipment - Architectural Coating - 1 Air Compressor 6 hr

Off-road Equipment - Building - 2 Boom Lift (Aerial Lift) 7 hr, 1 Crane 2 hr, 3 Forklifts 7 hr, 2 Concrete Boom Pumps 4 hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Grading - 1 crane 2hr, 2 forklifts 8 hr, 1 Rubber Tired Dozer 8 hr, 3 Tractor/Loader/Backhoe 6 hr

Off-road Equipment - Paving - 2 Forklifts 8 hr, 2 Paving Equipment 8 hr, 1 Tractor/Loader/Backhoe, 8 hr

Trips and VMT - Haul Trip Length set to 40 miles one way (80 miles round trip)

Demolition - 3,800 tons of Debris to remove

Grading - Excavation - 26,575 cu yd of export

Vehicle Trips - 2,797 Gross Daily Trips from Traffic Study = 8.48 per TSF

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Mobile Land Use Mitigation - 0.06 mile to nearest Transit Station and Improve Ped Network onsite and connecting offsite.

Energy Mitigation - 30% lighting energy reduction selected to account for the new 2019 Title 24 Part 6 standards.

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

The 650 PCH Project - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	140.00
tblConstructionPhase	NumDays	230.00	290.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	18.00	50.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	26,575.00
tblLandUse	LandUseSquareFeet	329,990.00	329,991.00
tblLandUse	LotAcreage	7.58	3.31
tblLandUse	LotAcreage	10.66	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	25.00
tblTripsAndVMT	WorkerTripNumber	18.00	23.00
tblTripsAndVMT	WorkerTripNumber	13.00	25.00
tblVehicleTrips	ST_TR	2.46	8.48
tblVehicleTrips	SU_TR	1.05	8.48
tblVehicleTrips	WD_TR	11.03	8.48

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.0361	57.7524	36.4589	0.1435	9.3629	2.1594	10.4993	4.1967	1.9878	5.2472	0.0000	15,312.1179	15,312.1179	2.4752	0.0000	15,348.6192
2022	26.6552	30.0685	38.9149	0.1116	5.3977	0.9409	6.3386	1.4513	0.8855	2.3368	0.0000	11,259.1862	11,259.1862	1.0968	0.0000	11,286.6070
2023	26.3315	25.6258	37.3547	0.1088	5.3977	0.8130	6.2107	1.4513	0.7649	2.2162	0.0000	10,979.9184	10,979.9184	1.0559	0.0000	11,006.3153
Maximum	**26.6552**	**57.7524**	**38.9149**	**0.1435**	**9.3629**	**2.1594**	**10.4993**	**4.1967**	**1.9878**	**5.2472**	**0.0000**	**15,312.1179**	**15,312.1179**	**2.4752**	**0.0000**	**15,348.6192**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.0361	57.7524	36.4589	0.1435	5.5789	2.1594	6.7153	2.1636	1.9878	3.2140	0.0000	15,312.1179	15,312.1179	2.4752	0.0000	15,348.6191
2022	26.6552	30.0685	38.9149	0.1116	5.3977	0.9409	6.3386	1.4513	0.8855	2.3368	0.0000	11,259.1862	11,259.1862	1.0968	0.0000	11,286.6070
2023	26.3315	25.6258	37.3547	0.1088	5.3977	0.8130	6.2107	1.4513	0.7649	2.2162	0.0000	10,979.9184	10,979.9184	1.0559	0.0000	11,006.3153
Maximum	**26.6552**	**57.7524**	**38.9149**	**0.1435**	**5.5789**	**2.1594**	**6.7153**	**2.1636**	**1.9878**	**3.2140**	**0.0000**	**15,312.1179**	**15,312.1179**	**2.4752**	**0.0000**	**15,348.6191**

The 650 PCH Project - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	18.77	0.00	16.42	28.64	0.00	20.75	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Energy	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Mobile	4.4955	18.5267	60.6072	0.2286	19.1690	0.1672	19.3362	5.1297	0.1555	5.2852		23,281.9024	23,281.9024	1.1118		23,309.6979
Total	**12.2001**	**19.4509**	**61.5442**	**0.2341**	**19.1690**	**0.2379**	**19.4069**	**5.1297**	**0.2262**	**5.3559**		**24,389.4876**	**24,389.4876**	**1.1340**	**0.0203**	**24,423.8856**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Energy	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Mobile	4.0224	16.1907	48.0862	0.1765	14.5440	0.1306	14.6746	3.8921	0.1214	4.0135		17,985.7443	17,985.7443	0.8801		18,007.7475
Total	**11.7271**	**17.1148**	**49.0231**	**0.1821**	**14.5440**	**0.2013**	**14.7453**	**3.8921**	**0.1921**	**4.0842**		**19,093.3295**	**19,093.3295**	**0.9023**	**0.0203**	**19,121.9353**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.88**	**12.01**	**20.34**	**22.25**	**24.13**	**15.39**	**24.02**	**24.13**	**15.06**	**23.74**	**0.00**	**21.71**	**21.71**	**20.43**	**0.00**	**21.71**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/8/2021	11/4/2021	5	20	
2	Grading	Grading	11/5/2021	12/30/2021	5	40	
3	Building Construction	Building Construction	1/1/2022	2/10/2023	5	290	
4	Architectural Coating	Architectural Coating	7/1/2022	1/12/2023	5	140	
5	Paving	Paving	12/3/2022	2/10/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 494,987; Non-Residential Outdoor: 164,996; Striped Parking Area: 30,144 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cement and Mortar Mixers	2	6.00	9	0.56
	Cranes	1	7.00	231	0.29
	Excavators	1	8.00	158	0.38
	Forklifts	3	8.00	89	0.20

	Generator Sets	1	8.00	84	0.74
	Graders	1	8.00	187	0.41
	Pavers	1	8.00	130	0.42
	Paving Equipment	2	6.00	132	0.36
	Rollers	2	6.00	80	0.38
	Rubber Tired Dozers	1	8.00	247	0.40
	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	3	8.00	97	0.37
	Tractors/Loaders/Backhoes	1	8.00	97	0.37
	Welders	1	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	2	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Cranes	1	2.00	231	0.29
Grading	Forklifts	2	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Aerial Lifts	2	7.00	63	0.31
Building Construction	Cranes	1	2.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Pumps	2	4.00	84	0.74
Paving	Forklifts	2	8.00	89	0.20
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	9	25.00	0.00	376.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	7	23.00	0.00	3,322.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	317.00	136.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0658	0.0000	4.0658	0.6156	0.0000	0.6156			0.0000			0.0000
Off-Road	4.6452	49.3448	33.3027	0.0728		2.1269	2.1269		1.9567	1.9567		7,049.8167	7,049.8167	2.2801		7,106.8180
Total	**4.6452**	**49.3448**	**33.3027**	**0.0728**	**4.0658**	**2.1269**	**6.1927**	**0.6156**	**1.9567**	**2.5723**		**7,049.8167**	**7,049.8167**	**2.2801**		**7,106.8180**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2838	8.3339	2.1492	0.0274	0.6571	0.0303	0.6873	0.1801	0.0290	0.2091		2,967.7237	2,967.7237	0.1867		2,972.3917
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	**0.3909**	**8.4076**	**3.1562**	**0.0302**	**0.9365**	**0.0325**	**0.9690**	**0.2542**	**0.0311**	**0.2852**		**3,252.4161**	**3,252.4161**	**0.1951**		**3,257.2939**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5857	0.0000	1.5857	0.2401	0.0000	0.2401			0.0000			0.0000
Off-Road	4.6452	49.3448	33.3027	0.0728		2.1269	2.1269		1.9567	1.9567	0.0000	7,049.8166	7,049.8166	2.2801		7,106.8180
Total	**4.6452**	**49.3448**	**33.3027**	**0.0728**	**1.5857**	**2.1269**	**3.7126**	**0.2401**	**1.9567**	**2.1968**	**0.0000**	**7,049.8166**	**7,049.8166**	**2.2801**		**7,106.8180**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2838	8.3339	2.1492	0.0274	0.6571	0.0303	0.6873	0.1801	0.0290	0.2091		2,967.7237	2,967.7237	0.1867		2,972.3917
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1072	0.0737	1.0069	2.8600e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		284.6925	284.6925	8.3900e-003		284.9022
Total	**0.3909**	**8.4076**	**3.1562**	**0.0302**	**0.9365**	**0.0325**	**0.9690**	**0.2542**	**0.0311**	**0.2852**		**3,252.4161**	**3,252.4161**	**0.1951**		**3,257.2939**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2033	0.0000	6.2033	3.3331	0.0000	3.3331			0.0000			0.0000
Off-Road	1.8296	18.8074	11.9547	0.0200		1.0006	1.0006		0.9205	0.9205		1,940.1237	1,940.1237	0.6275		1,955.8106
Total	**1.8296**	**18.8074**	**11.9547**	**0.0200**	**6.2033**	**1.0006**	**7.2038**	**3.3331**	**0.9205**	**4.2536**		**1,940.1237**	**1,940.1237**	**0.6275**		**1,955.8106**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2535	36.8155	9.4944	0.1208	2.9026	0.1338	3.0363	0.7955	0.1280	0.9235		13,110.0772	13,110.0772	0.8249		13,130.6986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0986	0.0678	0.9264	2.6300e-003	0.2571	2.0800e-003	0.2592	0.0682	1.9100e-003	0.0701		261.9171	261.9171	7.7200e-003		262.1100
Total	**1.3521**	**36.8833**	**10.4208**	**0.1234**	**3.1597**	**0.1359**	**3.2955**	**0.8637**	**0.1299**	**0.9936**		**13,371.9942**	**13,371.9942**	**0.8326**		**13,392.8086**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4193	0.0000	2.4193	1.2999	0.0000	1.2999			0.0000			0.0000
Off-Road	1.8296	18.8074	11.9547	0.0200		1.0006	1.0006		0.9205	0.9205	0.0000	1,940.1237	1,940.1237	0.6275		1,955.8106
Total	**1.8296**	**18.8074**	**11.9547**	**0.0200**	**2.4193**	**1.0006**	**3.4198**	**1.2999**	**0.9205**	**2.2204**	**0.0000**	**1,940.1237**	**1,940.1237**	**0.6275**		**1,955.8106**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2535	36.8155	9.4944	0.1208	2.9026	0.1338	3.0363	0.7955	0.1280	0.9235		13,110.0772	13,110.0772	0.8249		13,130.6986
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0986	0.0678	0.9264	2.6300e-003	0.2571	2.0800e-003	0.2592	0.0682	1.9100e-003	0.0701		261.9171	261.9171	7.7200e-003		262.1100
Total	**1.3521**	**36.8833**	**10.4208**	**0.1234**	**3.1597**	**0.1359**	**3.2955**	**0.8637**	**0.1299**	**0.9936**		**13,371.9942**	**13,371.9942**	**0.8326**		**13,392.8086**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8065	7.7645	9.1480	0.0150		0.4007	0.4007		0.3811	0.3811		1,435.9078	1,435.9078	0.2947		1,443.2751
Total	**0.8065**	**7.7645**	**9.1480**	**0.0150**		**0.4007**	**0.4007**		**0.3811**	**0.3811**		**1,435.9078**	**1,435.9078**	**0.2947**		**1,443.2751**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3880	12.5569	3.2660	0.0346	0.8707	0.0236	0.8943	0.2507	0.0226	0.2733		3,705.8081	3,705.8081	0.2127		3,711.1246
Worker	1.2728	0.8437	11.7798	0.0350	3.5433	0.0277	3.5711	0.9397	0.0256	0.9653		3,482.9180	3,482.9180	0.0961		3,485.3213
Total	**1.6608**	**13.4006**	**15.0458**	**0.0696**	**4.4140**	**0.0514**	**4.4654**	**1.1904**	**0.0481**	**1.2385**		**7,188.7261**	**7,188.7261**	**0.3088**		**7,196.4459**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8065	7.7645	9.1480	0.0150		0.4007	0.4007		0.3811	0.3811	0.0000	1,435.9078	1,435.9078	0.2947		1,443.2751
Total	**0.8065**	**7.7645**	**9.1480**	**0.0150**		**0.4007**	**0.4007**		**0.3811**	**0.3811**	**0.0000**	**1,435.9078**	**1,435.9078**	**0.2947**		**1,443.2751**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3880	12.5569	3.2660	0.0346	0.8707	0.0236	0.8943	0.2507	0.0226	0.2733		3,705.8081	3,705.8081	0.2127		3,711.1246
Worker	1.2728	0.8437	11.7798	0.0350	3.5433	0.0277	3.5711	0.9397	0.0256	0.9653		3,482.9180	3,482.9180	0.0961		3,485.3213
Total	**1.6608**	**13.4006**	**15.0458**	**0.0696**	**4.4140**	**0.0514**	**4.4654**	**1.1904**	**0.0481**	**1.2385**		**7,188.7261**	**7,188.7261**	**0.3088**		**7,196.4459**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7454	7.1591	9.1000	0.0150		0.3465	0.3465		0.3295	0.3295		1,435.9050	1,435.9050	0.2914		1,443.1901
Total	**0.7454**	**7.1591**	**9.1000**	**0.0150**		**0.3465**	**0.3465**		**0.3295**	**0.3295**		**1,435.9050**	**1,435.9050**	**0.2914**		**1,443.1901**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2878	9.5277	2.9496	0.0335	0.8707	0.0110	0.8817	0.2507	0.0105	0.2612		3,589.1410	3,589.1410	0.1885		3,593.8523
Worker	1.1953	0.7633	10.8482	0.0337	3.5433	0.0270	3.5703	0.9397	0.0248	0.9645		3,355.3879	3,355.3879	0.0867		3,357.5548
Total	**1.4831**	**10.2910**	**13.7978**	**0.0672**	**4.4140**	**0.0380**	**4.4520**	**1.1904**	**0.0353**	**1.2257**		**6,944.5289**	**6,944.5289**	**0.2751**		**6,951.4071**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7454	7.1591	9.1000	0.0150		0.3465	0.3465		0.3295	0.3295	0.0000	1,435.9050	1,435.9050	0.2914		1,443.1901
Total	**0.7454**	**7.1591**	**9.1000**	**0.0150**		**0.3465**	**0.3465**		**0.3295**	**0.3295**	**0.0000**	**1,435.9050**	**1,435.9050**	**0.2914**		**1,443.1901**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2878	9.5277	2.9496	0.0335	0.8707	0.0110	0.8817	0.2507	0.0105	0.2612		3,589.1410	3,589.1410	0.1885		3,593.8523
Worker	1.1953	0.7633	10.8482	0.0337	3.5433	0.0270	3.5703	0.9397	0.0248	0.9645		3,355.3879	3,355.3879	0.0867		3,357.5548
Total	**1.4831**	**10.2910**	**13.7978**	**0.0672**	**4.4140**	**0.0380**	**4.4520**	**1.1904**	**0.0353**	**1.2257**		**6,944.5289**	**6,944.5289**	**0.2751**		**6,951.4071**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**23.0527**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2530	0.1677	2.3411	6.9500e-003	0.7042	5.5100e-003	0.7097	0.1868	5.0800e-003	0.1918		692.1888	692.1888	0.0191		692.6664
Total	**0.2530**	**0.1677**	**2.3411**	**6.9500e-003**	**0.7042**	**5.5100e-003**	**0.7097**	**0.1868**	**5.0800e-003**	**0.1918**		**692.1888**	**692.1888**	**0.0191**		**692.6664**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**23.0527**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2530	0.1677	2.3411	6.9500e-003	0.7042	5.5100e-003	0.7097	0.1868	5.0800e-003	0.1918		692.1888	692.1888	0.0191		692.6664
Total	**0.2530**	**0.1677**	**2.3411**	**6.9500e-003**	**0.7042**	**5.5100e-003**	**0.7097**	**0.1868**	**5.0800e-003**	**0.1918**		**692.1888**	**692.1888**	**0.0191**		**692.6664**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**23.0398**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2376	0.1517	2.1559	6.6900e-003	0.7042	5.3600e-003	0.7096	0.1868	4.9300e-003	0.1917		666.8437	666.8437	0.0172		667.2743
Total	**0.2376**	**0.1517**	**2.1559**	**6.6900e-003**	**0.7042**	**5.3600e-003**	**0.7096**	**0.1868**	**4.9300e-003**	**0.1917**		**666.8437**	**666.8437**	**0.0172**		**667.2743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**23.0398**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2376	0.1517	2.1559	6.6900e-003	0.7042	5.3600e-003	0.7096	0.1868	4.9300e-003	0.1917		666.8437	666.8437	0.0172		667.2743
Total	**0.2376**	**0.1517**	**2.1559**	**6.6900e-003**	**0.7042**	**5.3600e-003**	**0.7096**	**0.1868**	**4.9300e-003**	**0.1917**		**666.8437**	**666.8437**	**0.0172**		**667.2743**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7484	7.2608	9.6374	0.0143		0.3994	0.3994		0.3675	0.3675		1,386.2374	1,386.2374	0.4483		1,397.4458
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7819**	**7.2608**	**9.6374**	**0.0143**		**0.3994**	**0.3994**		**0.3675**	**0.3675**		**1,386.2374**	**1,386.2374**	**0.4483**		**1,397.4458**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1004	0.0665	0.9290	2.7600e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0100e-003	0.0761		274.6781	274.6781	7.5800e-003		274.8676
Total	**0.1004**	**0.0665**	**0.9290**	**2.7600e-003**	**0.2794**	**2.1900e-003**	**0.2816**	**0.0741**	**2.0100e-003**	**0.0761**		**274.6781**	**274.6781**	**7.5800e-003**		**274.8676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7484	7.2608	9.6374	0.0143		0.3994	0.3994		0.3675	0.3675	0.0000	1,386.2374	1,386.2374	0.4483		1,397.4458
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7819**	**7.2608**	**9.6374**	**0.0143**		**0.3994**	**0.3994**		**0.3675**	**0.3675**	**0.0000**	**1,386.2374**	**1,386.2374**	**0.4483**		**1,397.4458**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1004	0.0665	0.9290	2.7600e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0100e-003	0.0761		274.6781	274.6781	7.5800e-003		274.8676
Total	**0.1004**	**0.0665**	**0.9290**	**2.7600e-003**	**0.2794**	**2.1900e-003**	**0.2816**	**0.0741**	**2.0100e-003**	**0.0761**		**274.6781**	**274.6781**	**7.5800e-003**		**274.8676**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.6609	9.6344	0.0143		0.3503	0.3503		0.3223	0.3223		1,386.5723	1,386.5723	0.4485		1,397.7834
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7314**	**6.6609**	**9.6344**	**0.0143**		**0.3503**	**0.3503**		**0.3223**	**0.3223**		**1,386.5723**	**1,386.5723**	**0.4485**		**1,397.7834**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0943	0.0602	0.8555	2.6600e-003	0.2794	2.1300e-003	0.2816	0.0741	1.9600e-003	0.0761		264.6205	264.6205	6.8400e-003		264.7914
Total	**0.0943**	**0.0602**	**0.8555**	**2.6600e-003**	**0.2794**	**2.1300e-003**	**0.2816**	**0.0741**	**1.9600e-003**	**0.0761**		**264.6205**	**264.6205**	**6.8400e-003**		**264.7914**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.6609	9.6344	0.0143		0.3503	0.3503		0.3223	0.3223	0.0000	1,386.5723	1,386.5723	0.4485		1,397.7834
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7314**	**6.6609**	**9.6344**	**0.0143**		**0.3503**	**0.3503**		**0.3223**	**0.3223**	**0.0000**	**1,386.5723**	**1,386.5723**	**0.4485**		**1,397.7834**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0943	0.0602	0.8555	2.6600e-003	0.2794	2.1300e-003	0.2816	0.0741	1.9600e-003	0.0761		264.6205	264.6205	6.8400e-003		264.7914
Total	**0.0943**	**0.0602**	**0.8555**	**2.6600e-003**	**0.2794**	**2.1300e-003**	**0.2816**	**0.0741**	**1.9600e-003**	**0.0761**		**264.6205**	**264.6205**	**6.8400e-003**		**264.7914**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0224	16.1907	48.0862	0.1765	14.5440	0.1306	14.6746	3.8921	0.1214	4.0135		17,985.7443	17,985.7443	0.8801		18,007.7475
Unmitigated	4.4955	18.5267	60.6072	0.2286	19.1690	0.1672	19.3362	5.1297	0.1555	5.2852		23,281.9024	23,281.9024	1.1118		23,309.6979

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,798.32	2,798.32	2798.32	9,014,663	6,839,658
Parking Lot	0.00	0.00	0.00		
Total	2,798.32	2,798.32	2,798.32	9,014,663	6,839,658

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
NaturalGas Unmitigated	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9411.52	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1015**	**0.9227**	**0.7751**	**5.5400e-003**		**0.0701**	**0.0701**		**0.0701**	**0.0701**		**1,107.2381**	**1,107.2381**	**0.0212**	**0.0203**	**1,113.8179**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9.41152	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1015**	**0.9227**	**0.7751**	**5.5400e-003**		**0.0701**	**0.0701**		**0.0701**	**0.0701**		**1,107.2381**	**1,107.2381**	**0.0212**	**0.0203**	**1,113.8179**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Unmitigated	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0150	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Total	**7.6031**	**1.4700e-003**	**0.1619**	**1.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**		**0.3471**	**0.3471**	**9.1000e-004**		**0.3699**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0150	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Total	**7.6031**	**1.4700e-003**	**0.1619**	**1.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**		**0.3471**	**0.3471**	**9.1000e-004**		**0.3699**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

The 650 PCH Project

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	329.99	1000sqft	3.31	329,991.00	0
Enclosed Parking with Elevator	1,185.00	Space	0.50	474,000.00	0
Parking Lot	71.00	Space	0.64	28,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

The 650 PCH Project - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Total acres disturbed 4.45 acres

Construction Phase - Construction Schedule provided by applicant

Off-road Equipment - Architectural Coating - 1 Air Compressor 6 hr

Off-road Equipment - Building - 2 Boom Lift (Aerial Lift) 7 hr, 1 Crane 2 hr, 3 Forklifts 7 hr, 2 Concrete Boom Pumps 4 hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Grading - 1 crane 2hr, 2 forklifts 8 hr, 1 Rubber Tired Dozer 8 hr, 3 Tractor/Loader/Backhoe 6 hr

Off-road Equipment - Paving - 2 Forklifts 8 hr, 2 Paving Equipment 8 hr, 1 Tractor/Loader/Backhoe, 8 hr

Trips and VMT - Haul Trip Length set to 40 miles one way (80 miles round trip)

Demolition - 3,800 tons of Debris to remove

Grading - Excavation - 26,575 cu yd of export

Vehicle Trips - 2,797 Gross Daily Trips from Traffic Study = 8.48 per TSF

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Mobile Land Use Mitigation - 0.06 mile to nearest Transit Station and Improve Ped Network onsite and connecting offsite.

Energy Mitigation - 30% lighting energy reduction selected to account for the new 2019 Title 24 Part 6 standards.

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

The 650 PCH Project - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	140.00
tblConstructionPhase	NumDays	230.00	290.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	18.00	50.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	26,575.00
tblLandUse	LandUseSquareFeet	329,990.00	329,991.00
tblLandUse	LotAcreage	7.58	3.31
tblLandUse	LotAcreage	10.66	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	25.00
tblTripsAndVMT	WorkerTripNumber	18.00	23.00
tblTripsAndVMT	WorkerTripNumber	13.00	25.00
tblVehicleTrips	ST_TR	2.46	8.48
tblVehicleTrips	SU_TR	1.05	8.48
tblVehicleTrips	WD_TR	11.03	8.48

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.0519	57.9508	36.4371	0.1422	9.3629	2.1597	10.5004	4.1967	1.9880	5.2481	0.0000	15,175.0410	15,175.0410	2.4784	0.0000	15,211.9469
2022	26.8622	30.1494	37.9501	0.1080	5.3977	0.9417	6.3393	1.4513	0.8863	2.3375	0.0000	10,897.1954	10,897.1954	1.1032	0.0000	10,924.7754
2023	26.5280	25.6863	36.3838	0.1054	5.3977	0.8136	6.2113	1.4513	0.7654	2.2167	0.0000	10,632.3255	10,632.3255	1.0600	0.0000	10,658.8241
Maximum	**26.8622**	**57.9508**	**37.9501**	**0.1422**	**9.3629**	**2.1597**	**10.5004**	**4.1967**	**1.9880**	**5.2481**	**0.0000**	**15,175.0410**	**15,175.0410**	**2.4784**	**0.0000**	**15,211.9469**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	5.0519	57.9508	36.4371	0.1422	5.5789	2.1597	6.7164	2.1636	1.9880	3.2150	0.0000	15,175.0410	15,175.0410	2.4784	0.0000	15,211.9468
2022	26.8622	30.1494	37.9501	0.1080	5.3977	0.9417	6.3393	1.4513	0.8863	2.3375	0.0000	10,897.1954	10,897.1954	1.1032	0.0000	10,924.7754
2023	26.5280	25.6863	36.3838	0.1054	5.3977	0.8136	6.2113	1.4513	0.7654	2.2167	0.0000	10,632.3255	10,632.3255	1.0600	0.0000	10,658.8241
Maximum	**26.8622**	**57.9508**	**37.9501**	**0.1422**	**5.5789**	**2.1597**	**6.7164**	**2.1636**	**1.9880**	**3.2150**	**0.0000**	**15,175.0410**	**15,175.0410**	**2.4784**	**0.0000**	**15,211.9468**

The 650 PCH Project - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	18.77	0.00	16.42	28.64	0.00	20.74	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Energy	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Mobile	4.3535	18.9849	57.4289	0.2175	19.1690	0.1679	19.3369	5.1297	0.1562	5.2859		22,164.5844	22,164.5844	1.1076		22,192.2751
Total	**12.0582**	**19.9091**	**58.3658**	**0.2230**	**19.1690**	**0.2386**	**19.4076**	**5.1297**	**0.2269**	**5.3566**		**23,272.1696**	**23,272.1696**	**1.1298**	**0.0203**	**23,306.4629**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Energy	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Mobile	3.8921	16.5007	46.0876	0.1678	14.5440	0.1313	14.6753	3.8921	0.1221	4.0142		17,107.8183	17,107.8183	0.8817		17,129.8602
Total	**11.5968**	**17.4248**	**47.0246**	**0.1734**	**14.5440**	**0.2020**	**14.7460**	**3.8921**	**0.1928**	**4.0849**		**18,215.4035**	**18,215.4035**	**0.9038**	**0.0203**	**18,244.0479**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.83**	**12.48**	**19.43**	**22.27**	**24.13**	**15.34**	**24.02**	**24.13**	**15.01**	**23.74**	**0.00**	**21.73**	**21.73**	**20.00**	**0.00**	**21.72**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/8/2021	11/4/2021	5	20	
2	Grading	Grading	11/5/2021	12/30/2021	5	40	
3	Building Construction	Building Construction	1/1/2022	2/10/2023	5	290	
4	Architectural Coating	Architectural Coating	7/1/2022	1/12/2023	5	140	
5	Paving	Paving	12/3/2022	2/10/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 494,987; Non-Residential Outdoor: 164,996; Striped Parking Area: 30,144 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cement and Mortar Mixers	2	6.00	9	0.56
	Cranes	1	7.00	231	0.29
	Excavators	1	8.00	158	0.38
	Forklifts	3	8.00	89	0.20

	Generator Sets	1	8.00	84	0.74
	Graders	1	8.00	187	0.41
	Pavers	1	8.00	130	0.42
	Paving Equipment	2	6.00	132	0.36
	Rollers	2	6.00	80	0.38
	Rubber Tired Dozers	1	8.00	247	0.40
	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	3	8.00	97	0.37
	Tractors/Loaders/Backhoes	1	8.00	97	0.37
	Welders	1	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	2	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Cranes	1	2.00	231	0.29
Grading	Forklifts	2	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Aerial Lifts	2	7.00	63	0.31
Building Construction	Cranes	1	2.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Pumps	2	4.00	84	0.74
Paving	Forklifts	2	8.00	89	0.20
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	9	25.00	0.00	376.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	7	23.00	0.00	3,322.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	317.00	136.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.0658	0.0000	4.0658	0.6156	0.0000	0.6156			0.0000			0.0000
Off-Road	4.6452	49.3448	33.3027	0.0728		2.1269	2.1269		1.9567	1.9567		7,049.8167	7,049.8167	2.2801		7,106.8180
Total	**4.6452**	**49.3448**	**33.3027**	**0.0728**	**4.0658**	**2.1269**	**6.1927**	**0.6156**	**1.9567**	**2.5723**		**7,049.8167**	**7,049.8167**	**2.2801**		**7,106.8180**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2875	8.5244	2.2138	0.0271	0.6571	0.0305	0.6876	0.1801	0.0292	0.2093		2,940.1569	2,940.1569	0.1905		2,944.9192
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	**0.4067**	**8.6060**	**3.1344**	**0.0298**	**0.9365**	**0.0328**	**0.9693**	**0.2542**	**0.0313**	**0.2855**		**3,208.2197**	**3,208.2197**	**0.1984**		**3,213.1791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5857	0.0000	1.5857	0.2401	0.0000	0.2401			0.0000			0.0000
Off-Road	4.6452	49.3448	33.3027	0.0728		2.1269	2.1269		1.9567	1.9567	0.0000	7,049.8166	7,049.8166	2.2801		7,106.8180
Total	**4.6452**	**49.3448**	**33.3027**	**0.0728**	**1.5857**	**2.1269**	**3.7126**	**0.2401**	**1.9567**	**2.1968**	**0.0000**	**7,049.8166**	**7,049.8166**	**2.2801**		**7,106.8180**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2875	8.5244	2.2138	0.0271	0.6571	0.0305	0.6876	0.1801	0.0292	0.2093		2,940.1569	2,940.1569	0.1905		2,944.9192
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1192	0.0815	0.9206	2.6900e-003	0.2794	2.2600e-003	0.2817	0.0741	2.0800e-003	0.0762		268.0628	268.0628	7.8900e-003		268.2600
Total	**0.4067**	**8.6060**	**3.1344**	**0.0298**	**0.9365**	**0.0328**	**0.9693**	**0.2542**	**0.0313**	**0.2855**		**3,208.2197**	**3,208.2197**	**0.1984**		**3,213.1791**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2033	0.0000	6.2033	3.3331	0.0000	3.3331			0.0000			0.0000
Off-Road	1.8296	18.8074	11.9547	0.0200		1.0006	1.0006		0.9205	0.9205		1,940.1237	1,940.1237	0.6275		1,955.8106
Total	**1.8296**	**18.8074**	**11.9547**	**0.0200**	**6.2033**	**1.0006**	**7.2038**	**3.3331**	**0.9205**	**4.2536**		**1,940.1237**	**1,940.1237**	**0.6275**		**1,955.8106**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2699	37.6571	9.7794	0.1197	2.9026	0.1348	3.0374	0.7955	0.1290	0.9245		12,988.2995	12,988.2995	0.8415		13,009.3371
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1097	0.0750	0.8470	2.4800e-003	0.2571	2.0800e-003	0.2592	0.0682	1.9100e-003	0.0701		246.6178	246.6178	7.2600e-003		246.7992
Total	**1.3796**	**37.7321**	**10.6264**	**0.1222**	**3.1597**	**0.1369**	**3.2965**	**0.8637**	**0.1309**	**0.9946**		**13,234.9173**	**13,234.9173**	**0.8488**		**13,256.1363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4193	0.0000	2.4193	1.2999	0.0000	1.2999			0.0000			0.0000
Off-Road	1.8296	18.8074	11.9547	0.0200		1.0006	1.0006		0.9205	0.9205	0.0000	1,940.1237	1,940.1237	0.6275		1,955.8106
Total	**1.8296**	**18.8074**	**11.9547**	**0.0200**	**2.4193**	**1.0006**	**3.4198**	**1.2999**	**0.9205**	**2.2204**	**0.0000**	**1,940.1237**	**1,940.1237**	**0.6275**		**1,955.8106**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2699	37.6571	9.7794	0.1197	2.9026	0.1348	3.0374	0.7955	0.1290	0.9245		12,988.2995	12,988.2995	0.8415		13,009.3371
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1097	0.0750	0.8470	2.4800e-003	0.2571	2.0800e-003	0.2592	0.0682	1.9100e-003	0.0701		246.6178	246.6178	7.2600e-003		246.7992
Total	**1.3796**	**37.7321**	**10.6264**	**0.1222**	**3.1597**	**0.1369**	**3.2965**	**0.8637**	**0.1309**	**0.9946**		**13,234.9173**	**13,234.9173**	**0.8488**		**13,256.1363**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8065	7.7645	9.1480	0.0150		0.4007	0.4007		0.3811	0.3811		1,435.9078	1,435.9078	0.2947		1,443.2751
Total	**0.8065**	**7.7645**	**9.1480**	**0.0150**		**0.4007**	**0.4007**		**0.3811**	**0.3811**		**1,435.9078**	**1,435.9078**	**0.2947**		**1,443.2751**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4074	12.5228	3.6145	0.0337	0.8707	0.0244	0.8951	0.2507	0.0233	0.2740		3,603.5958	3,603.5958	0.2265		3,609.2577
Worker	1.4197	0.9337	10.7519	0.0329	3.5433	0.0277	3.5711	0.9397	0.0256	0.9653		3,279.5852	3,279.5852	0.0903		3,281.8428
Total	**1.8271**	**13.4565**	**14.3664**	**0.0666**	**4.4140**	**0.0521**	**4.4661**	**1.1904**	**0.0489**	**1.2393**		**6,883.1810**	**6,883.1810**	**0.3168**		**6,891.1004**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8065	7.7645	9.1480	0.0150		0.4007	0.4007		0.3811	0.3811	0.0000	1,435.9078	1,435.9078	0.2947		1,443.2751
Total	**0.8065**	**7.7645**	**9.1480**	**0.0150**		**0.4007**	**0.4007**		**0.3811**	**0.3811**	**0.0000**	**1,435.9078**	**1,435.9078**	**0.2947**		**1,443.2751**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4074	12.5228	3.6145	0.0337	0.8707	0.0244	0.8951	0.2507	0.0233	0.2740		3,603.5958	3,603.5958	0.2265		3,609.2577
Worker	1.4197	0.9337	10.7519	0.0329	3.5433	0.0277	3.5711	0.9397	0.0256	0.9653		3,279.5852	3,279.5852	0.0903		3,281.8428
Total	**1.8271**	**13.4565**	**14.3664**	**0.0666**	**4.4140**	**0.0521**	**4.4661**	**1.1904**	**0.0489**	**1.2393**		**6,883.1810**	**6,883.1810**	**0.3168**		**6,891.1004**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7454	7.1591	9.1000	0.0150		0.3465	0.3465		0.3295	0.3295		1,435.9050	1,435.9050	0.2914		1,443.1901
Total	**0.7454**	**7.1591**	**9.1000**	**0.0150**		**0.3465**	**0.3465**		**0.3295**	**0.3295**		**1,435.9050**	**1,435.9050**	**0.2914**		**1,443.1901**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	9.4845	3.2118	0.0326	0.8707	0.0116	0.8823	0.2507	0.0111	0.2618		3,491.6818	3,491.6818	0.1994		3,496.6662
Worker	1.3375	0.8445	9.8830	0.0317	3.5433	0.0270	3.5703	0.9397	0.0248	0.9645		3,159.6042	3,159.6042	0.0813		3,161.6370
Total	**1.6401**	**10.3289**	**13.0948**	**0.0643**	**4.4140**	**0.0385**	**4.4526**	**1.1904**	**0.0359**	**1.2263**		**6,651.2860**	**6,651.2860**	**0.2807**		**6,658.3032**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7454	7.1591	9.1000	0.0150		0.3465	0.3465		0.3295	0.3295	0.0000	1,435.9050	1,435.9050	0.2914		1,443.1901
Total	**0.7454**	**7.1591**	**9.1000**	**0.0150**		**0.3465**	**0.3465**		**0.3295**	**0.3295**	**0.0000**	**1,435.9050**	**1,435.9050**	**0.2914**		**1,443.1901**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3027	9.4845	3.2118	0.0326	0.8707	0.0116	0.8823	0.2507	0.0111	0.2618		3,491.6818	3,491.6818	0.1994		3,496.6662
Worker	1.3375	0.8445	9.8830	0.0317	3.5433	0.0270	3.5703	0.9397	0.0248	0.9645		3,159.6042	3,159.6042	0.0813		3,161.6370
Total	**1.6401**	**10.3289**	**13.0948**	**0.0643**	**4.4140**	**0.0385**	**4.4526**	**1.1904**	**0.0359**	**1.2263**		**6,651.2860**	**6,651.2860**	**0.2807**		**6,658.3032**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**23.0527**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2821	0.1856	2.1368	6.5400e-003	0.7042	5.5100e-003	0.7097	0.1868	5.0800e-003	0.1918		651.7788	651.7788	0.0180		652.2274
Total	**0.2821**	**0.1856**	**2.1368**	**6.5400e-003**	**0.7042**	**5.5100e-003**	**0.7097**	**0.1868**	**5.0800e-003**	**0.1918**		**651.7788**	**651.7788**	**0.0180**		**652.2274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**23.0527**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2821	0.1856	2.1368	6.5400e-003	0.7042	5.5100e-003	0.7097	0.1868	5.0800e-003	0.1918		651.7788	651.7788	0.0180		652.2274
Total	**0.2821**	**0.1856**	**2.1368**	**6.5400e-003**	**0.7042**	**5.5100e-003**	**0.7097**	**0.1868**	**5.0800e-003**	**0.1918**		**651.7788**	**651.7788**	**0.0180**		**652.2274**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**23.0398**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2658	0.1678	1.9641	6.3000e-003	0.7042	5.3600e-003	0.7096	0.1868	4.9300e-003	0.1917		627.9340	627.9340	0.0162		628.3380
Total	**0.2658**	**0.1678**	**1.9641**	**6.3000e-003**	**0.7042**	**5.3600e-003**	**0.7096**	**0.1868**	**4.9300e-003**	**0.1917**		**627.9340**	**627.9340**	**0.0162**		**628.3380**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	22.8481					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**23.0398**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2658	0.1678	1.9641	6.3000e-003	0.7042	5.3600e-003	0.7096	0.1868	4.9300e-003	0.1917		627.9340	627.9340	0.0162		628.3380
Total	**0.2658**	**0.1678**	**1.9641**	**6.3000e-003**	**0.7042**	**5.3600e-003**	**0.7096**	**0.1868**	**4.9300e-003**	**0.1917**		**627.9340**	**627.9340**	**0.0162**		**628.3380**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7484	7.2608	9.6374	0.0143		0.3994	0.3994		0.3675	0.3675		1,386.2374	1,386.2374	0.4483		1,397.4458
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7819**	**7.2608**	**9.6374**	**0.0143**		**0.3994**	**0.3994**		**0.3675**	**0.3675**		**1,386.2374**	**1,386.2374**	**0.4483**		**1,397.4458**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1120	0.0736	0.8479	2.6000e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0100e-003	0.0761		258.6424	258.6424	7.1200e-003		258.8204
Total	**0.1120**	**0.0736**	**0.8479**	**2.6000e-003**	**0.2794**	**2.1900e-003**	**0.2816**	**0.0741**	**2.0100e-003**	**0.0761**		**258.6424**	**258.6424**	**7.1200e-003**		**258.8204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7484	7.2608	9.6374	0.0143		0.3994	0.3994		0.3675	0.3675	0.0000	1,386.2374	1,386.2374	0.4483		1,397.4458
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7819**	**7.2608**	**9.6374**	**0.0143**		**0.3994**	**0.3994**		**0.3675**	**0.3675**	**0.0000**	**1,386.2374**	**1,386.2374**	**0.4483**		**1,397.4458**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1120	0.0736	0.8479	2.6000e-003	0.2794	2.1900e-003	0.2816	0.0741	2.0100e-003	0.0761		258.6424	258.6424	7.1200e-003		258.8204
Total	**0.1120**	**0.0736**	**0.8479**	**2.6000e-003**	**0.2794**	**2.1900e-003**	**0.2816**	**0.0741**	**2.0100e-003**	**0.0761**		**258.6424**	**258.6424**	**7.1200e-003**		**258.8204**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.6609	9.6344	0.0143		0.3503	0.3503		0.3223	0.3223		1,386.5723	1,386.5723	0.4485		1,397.7834
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7314**	**6.6609**	**9.6344**	**0.0143**		**0.3503**	**0.3503**		**0.3223**	**0.3223**		**1,386.5723**	**1,386.5723**	**0.4485**		**1,397.7834**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1055	0.0666	0.7794	2.5000e-003	0.2794	2.1300e-003	0.2816	0.0741	1.9600e-003	0.0761		249.1801	249.1801	6.4100e-003		249.3405
Total	**0.1055**	**0.0666**	**0.7794**	**2.5000e-003**	**0.2794**	**2.1300e-003**	**0.2816**	**0.0741**	**1.9600e-003**	**0.0761**		**249.1801**	**249.1801**	**6.4100e-003**		**249.3405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6979	6.6609	9.6344	0.0143		0.3503	0.3503		0.3223	0.3223	0.0000	1,386.5723	1,386.5723	0.4485		1,397.7834
Paving	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7314**	**6.6609**	**9.6344**	**0.0143**		**0.3503**	**0.3503**		**0.3223**	**0.3223**	**0.0000**	**1,386.5723**	**1,386.5723**	**0.4485**		**1,397.7834**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1055	0.0666	0.7794	2.5000e-003	0.2794	2.1300e-003	0.2816	0.0741	1.9600e-003	0.0761		249.1801	249.1801	6.4100e-003		249.3405
Total	**0.1055**	**0.0666**	**0.7794**	**2.5000e-003**	**0.2794**	**2.1300e-003**	**0.2816**	**0.0741**	**1.9600e-003**	**0.0761**		**249.1801**	**249.1801**	**6.4100e-003**		**249.3405**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8921	16.5007	46.0876	0.1678	14.5440	0.1313	14.6753	3.8921	0.1221	4.0142		17,107.8183	17,107.8183	0.8817		17,129.8602
Unmitigated	4.3535	18.9849	57.4289	0.2175	19.1690	0.1679	19.3369	5.1297	0.1562	5.2859		22,164.5844	22,164.5844	1.1076		22,192.2751

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,798.32	2,798.32	2798.32	9,014,663	6,839,658
Parking Lot	0.00	0.00	0.00		
Total	2,798.32	2,798.32	2,798.32	9,014,663	6,839,658

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
NaturalGas Unmitigated	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9411.52	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1015**	**0.9227**	**0.7751**	**5.5400e-003**		**0.0701**	**0.0701**		**0.0701**	**0.0701**		**1,107.2381**	**1,107.2381**	**0.0212**	**0.0203**	**1,113.8179**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9.41152	0.1015	0.9227	0.7751	5.5400e-003		0.0701	0.0701		0.0701	0.0701		1,107.2381	1,107.2381	0.0212	0.0203	1,113.8179
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1015**	**0.9227**	**0.7751**	**5.5400e-003**		**0.0701**	**0.0701**		**0.0701**	**0.0701**		**1,107.2381**	**1,107.2381**	**0.0212**	**0.0203**	**1,113.8179**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Unmitigated	7.6031	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0150	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Total	**7.6031**	**1.4700e-003**	**0.1619**	**1.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**		**0.3471**	**0.3471**	**9.1000e-004**		**0.3699**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8764					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.7118					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0150	1.4700e-003	0.1619	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004		0.3471	0.3471	9.1000e-004		0.3699
Total	**7.6031**	**1.4700e-003**	**0.1619**	**1.0000e-005**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**		**0.3471**	**0.3471**	**9.1000e-004**		**0.3699**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX B

EMFAC2017 Model Printouts

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
SOUTH CO/	2021	HHDT	Aggregated	Aggregated	GAS	81	7629	1628	1.9
SOUTH CO/	2021	LDA	Aggregated	Aggregated	GAS	6276234	246181276	29647186	8195.8
SOUTH CO/	2021	LDT1	Aggregated	Aggregated	GAS	695146	26066042	3200417	1009.6
SOUTH CO/	2021	LDT2	Aggregated	Aggregated	GAS	2144804	81991236	10052342	3441.7
SOUTH CO/	2021	LHDT1	Aggregated	Aggregated	GAS	172430	6230805	2568953	598.1
SOUTH CO/	2021	LHDT2	Aggregated	Aggregated	GAS	28914	1014315	430773	111.8
SOUTH CO/	2021	MCY	Aggregated	Aggregated	GAS	279209	1958677	558419	53.9
SOUTH CO/	2021	MDV	Aggregated	Aggregated	GAS	1520877	54421173	7026646	2808.6
SOUTH CO/	2021	MH	Aggregated	Aggregated	GAS	34556	327721	3457	64.5
SOUTH CO/	2021	MHDT	Aggregated	Aggregated	GAS	24684	1325210	493870	264.5
SOUTH CO/	2021	OBUS	Aggregated	Aggregated	GAS	5845	246477	116955	49.6
SOUTH CO/	2021	SBUS	Aggregated	Aggregated	GAS	2415	98099	9660	10.9
SOUTH CO/	2021	UBUS	Aggregated	Aggregated	GAS	944	88729	3776	18.5

vehicle miles per day (All Categories)	419957391	16,629	1,000 gall per day
		16,629,188	gallons per day
Fleet Avg Miles per gallon	25.3		

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: SOUTH COAST
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	VMT	Trips	Fuel Consumption
SOUTH CO/	2021	HHDT	Aggregatec	Aggregatec	DSL	96727	11545820	974406	1774
SOUTH CO/	2021	LDA	Aggregatec	Aggregatec	DSL	53710	2185239	254840	46
SOUTH CO/	2021	LDT1	Aggregatec	Aggregatec	DSL	406	9520	1420	0
SOUTH CO/	2021	LDT2	Aggregatec	Aggregatec	DSL	12472	548394	61718	16
SOUTH CO/	2021	LHDT1	Aggregatec	Aggregatec	DSL	109610	4489670	1378756	211
SOUTH CO/	2021	LHDT2	Aggregatec	Aggregatec	DSL	43242	1730629	543933	90
SOUTH CO/	2021	MDV	Aggregatec	Aggregatec	DSL	29604	1222112	145605	46
SOUTH CO/	2021	MH	Aggregatec	Aggregatec	DSL	11829	115366	1183	11
SOUTH CO/	2021	MHDT	Aggregatec	Aggregatec	DSL	119075	7535147	1192855	727
SOUTH CO/	2021	OBUS	Aggregatec	Aggregatec	DSL	4131	308887	40390	38
SOUTH CO/	2021	SBUS	Aggregatec	Aggregatec	DSL	6314	199477	72863	27
SOUTH CO/	2021	UBUS	Aggregatec	Aggregatec	DSL	14	1478	57	0

Diesel Truck (HHDT, MDV, MHDT) vehicle miles per day	20,303,080	2,548	1,000 gall per day
		2,547,681	gallons per day
Diesel Truck Fleet Avg Miles per gallon	8.0		

APPENDIX C

CalEEMod Model Annual Printouts

The 650 PCH Project

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	329.99	1000sqft	3.31	329,991.00	0
Enclosed Parking with Elevator	1,185.00	Space	0.50	474,000.00	0
Parking Lot	71.00	Space	0.64	28,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total acres disturbed 4.45 acres

Construction Phase - Construction Schedule provided by applicant

Off-road Equipment - Architectural Coating - 1 Air Compressor 6 hr

Off-road Equipment - Building - 2 Boom Lift (Aerial Lift) 7 hr, 1 Crane 2 hr, 3 Forklifts 7 hr, 2 Concrete Boom Pumps 4 hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Demo - 1 Excavator 8 hr, 1 Off-Hwy Truck (Water Truck) 8 hr, 1 Rubber-Tire Dozer 8hr, 1 Rubber-Tire Loader 8hr, 2 Scraper 8-hr, 3 Tractor/Loader/Backhoe 8hr

Off-road Equipment - Grading - 1 crane 2hr, 2 forklifts 8 hr, 1 Rubber Tired Dozer 8 hr, 3 Tractor/Loader/Backhoe 6 hr

Off-road Equipment - Paving - 2 Forklifts 8 hr, 2 Paving Equipment 8 hr, 1 Tractor/Loader/Backhoe, 8 hr

Trips and VMT - Haul Trip Length set to 40 miles one way (80 miles round trip)

Demolition - 3,800 tons of Debris to remove

Grading - Excavation - 26,575 cu yd of export

Vehicle Trips - 2,797 Gross Daily Trips from Traffic Study = 8.48 per TSF

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day selected to account for SCAQMD Rule 403 minimum requirements

Mobile Land Use Mitigation - 0.06 mile to nearest Transit Station and Improve Ped Network onsite and connecting offsite.

Energy Mitigation - 30% lighting energy reduction selected to account for the new 2019 Title 24 Part 6 standards.

Water Mitigation - Install low-flow fixtures and use water-efficient irrigation systems to account for Title 24 Part 11 requirements

Waste Mitigation - 50% reduction in waste disposed selected to account for AB 341.

The 650 PCH Project - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	140.00
tblConstructionPhase	NumDays	230.00	290.00
tblConstructionPhase	NumDays	8.00	40.00
tblConstructionPhase	NumDays	18.00	50.00
tblGrading	AcresOfGrading	0.00	4.00
tblGrading	MaterialExported	0.00	26,575.00
tblLandUse	LandUseSquareFeet	329,990.00	329,991.00
tblLandUse	LotAcreage	7.58	3.31
tblLandUse	LotAcreage	10.66	0.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	25.00
tblTripsAndVMT	WorkerTripNumber	18.00	23.00
tblTripsAndVMT	WorkerTripNumber	13.00	25.00
tblVehicleTrips	ST_TR	2.46	8.48
tblVehicleTrips	SU_TR	1.05	8.48
tblVehicleTrips	WD_TR	11.03	8.48

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1142	1.7260	0.8129	3.8800e-003	0.2360	0.0443	0.2804	0.0923	0.0409	0.1332	0.0000	369.9321	369.9321	0.0491	0.0000	371.1592
2022	1.8581	2.9699	3.4404	0.0116	0.6109	0.0685	0.6795	0.1648	0.0652	0.2300	0.0000	1,065.5858	1,065.5858	0.0777	0.0000	1,067.5281
2023	0.1508	0.3725	0.5090	1.5000e-003	0.0722	0.0114	0.0836	0.0195	0.0107	0.0302	0.0000	137.6028	137.6028	0.0141	0.0000	137.9541
Maximum	**1.8581**	**2.9699**	**3.4404**	**0.0116**	**0.6109**	**0.0685**	**0.6795**	**0.1648**	**0.0652**	**0.2300**	**0.0000**	**1,065.5858**	**1,065.5858**	**0.0777**	**0.0000**	**1,067.5281**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1142	1.7260	0.8129	3.8800e-003	0.1355	0.0443	0.1799	0.0479	0.0409	0.0888	0.0000	369.9320	369.9320	0.0491	0.0000	371.1590
2022	1.8581	2.9699	3.4404	0.0116	0.6109	0.0685	0.6795	0.1648	0.0652	0.2300	0.0000	1,065.5856	1,065.5856	0.0777	0.0000	1,067.5279
2023	0.1508	0.3725	0.5090	1.5000e-003	0.0722	0.0114	0.0836	0.0195	0.0107	0.0302	0.0000	137.6028	137.6028	0.0141	0.0000	137.9540
Maximum	**1.8581**	**2.9699**	**3.4404**	**0.0116**	**0.6109**	**0.0685**	**0.6795**	**0.1648**	**0.0652**	**0.2300**	**0.0000**	**1,065.5856**	**1,065.5856**	**0.0777**	**0.0000**	**1,067.5279**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**10.93**	**0.00**	**9.63**	**16.06**	**0.00**	**11.29**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**10-1-2021**	**12-31-2021**	1.8250	1.8250
2	**1-1-2022**	**3-31-2022**	0.7668	0.7668
3	**4-1-2022**	**6-30-2022**	0.7681	0.7681
4	**7-1-2022**	**9-30-2022**	1.5940	1.5940
5	**10-1-2022**	**12-31-2022**	1.6881	1.6881
6	**1-1-2023**	**3-31-2023**	0.5080	0.5080
		Highest	1.8250	1.8250

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3867	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419
Energy	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	2,437.2956	2,437.2956	0.0966	0.0226	2,446.4486
Mobile	0.7739	3.5149	10.6095	0.0401	3.4214	0.0304	3.4519	0.9171	0.0283	0.9454	0.0000	3,711.0381	3,711.0381	0.1822	0.0000	3,715.5942
Waste						0.0000	0.0000		0.0000	0.0000	62.2959	0.0000	62.2959	3.6816	0.0000	154.3355
Water						0.0000	0.0000		0.0000	0.0000	18.6071	370.5750	389.1821	1.9264	0.0483	451.7334
Total	**2.1791**	**3.6835**	**10.7712**	**0.0412**	**3.4214**	**0.0433**	**3.4647**	**0.9171**	**0.0412**	**0.9583**	**80.9030**	**6,518.9481**	**6,599.8510**	**5.8869**	**0.0709**	**6,768.1536**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3867	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419
Energy	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	2,238.1407	2,238.1407	0.0884	0.0209	2,246.5813
Mobile	0.6892	3.0530	8.4895	0.0310	2.5959	0.0238	2.6197	0.6958	0.0221	0.7179	0.0000	2,866.5331	2,866.5331	0.1447	0.0000	2,870.1515
Waste						0.0000	0.0000		0.0000	0.0000	31.1480	0.0000	31.1480	1.8408	0.0000	77.1677
Water						0.0000	0.0000		0.0000	0.0000	15.7044	324.8539	340.5583	1.6264	0.0409	393.3948
Total	**2.0944**	**3.2216**	**8.6512**	**0.0320**	**2.5959**	**0.0367**	**2.6326**	**0.6958**	**0.0350**	**0.7308**	**46.8523**	**5,429.5670**	**5,476.4193**	**3.7004**	**0.0618**	**5,587.3372**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.89**	**12.54**	**19.68**	**22.24**	**24.13**	**15.35**	**24.02**	**24.13**	**15.03**	**23.74**	**42.09**	**16.71**	**17.02**	**37.14**	**12.88**	**17.45**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/8/2021	11/4/2021	5	20	
2	Grading	Grading	11/5/2021	12/30/2021	5	40	
3	Building Construction	Building Construction	1/1/2022	2/10/2023	5	290	
4	Architectural Coating	Architectural Coating	7/1/2022	1/12/2023	5	140	
5	Paving	Paving	12/3/2022	2/10/2023	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.14

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 494,987; Non-Residential Outdoor: 164,996; Striped Parking Area: 30,144 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cement and Mortar Mixers	2	6.00	9	0.56
	Cranes	1	7.00	231	0.29
	Excavators	1	8.00	158	0.38
	Forklifts	3	8.00	89	0.20
	Generator Sets	1	8.00	84	0.74
	Graders	1	8.00	187	0.41
	Pavers	1	8.00	130	0.42
	Paving Equipment	2	6.00	132	0.36
	Rollers	2	6.00	80	0.38
	Rubber Tired Dozers	1	8.00	247	0.40

	Tractors/Loaders/Backhoes	3	7.00	97	0.37
	Tractors/Loaders/Backhoes	3	8.00	97	0.37
	Tractors/Loaders/Backhoes	1	8.00	97	0.37
	Welders	1	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Demolition	Scrapers	2	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Cranes	1	2.00	231	0.29
Grading	Forklifts	2	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	6.00	97	0.37
Building Construction	Aerial Lifts	2	7.00	63	0.31
Building Construction	Cranes	1	2.00	231	0.29
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Pumps	2	4.00	84	0.74
Paving	Forklifts	2	8.00	89	0.20
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	9	25.00	0.00	376.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Grading	7	23.00	0.00	3,322.00	14.70	6.90	40.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	317.00	136.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0407	0.0000	0.0407	6.1600e-003	0.0000	6.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0465	0.4935	0.3330	7.3000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	63.9549	63.9549	0.0207	0.0000	64.4720
Total	**0.0465**	**0.4935**	**0.3330**	**7.3000e-004**	**0.0407**	**0.0213**	**0.0619**	**6.1600e-003**	**0.0196**	**0.0257**	**0.0000**	**63.9549**	**63.9549**	**0.0207**	**0.0000**	**64.4720**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8500e-003	0.0868	0.0218	2.7000e-004	6.4600e-003	3.0000e-004	6.7600e-003	1.7700e-003	2.9000e-004	2.0600e-003	0.0000	26.8177	26.8177	1.7100e-003	0.0000	26.8604
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.4000e-004	9.4500e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.4723	2.4723	7.0000e-005	0.0000	2.4741
Total	**3.9300e-003**	**0.0877**	**0.0312**	**3.0000e-004**	**9.2000e-003**	**3.2000e-004**	**9.5200e-003**	**2.5000e-003**	**3.1000e-004**	**2.8100e-003**	**0.0000**	**29.2900**	**29.2900**	**1.7800e-003**	**0.0000**	**29.3345**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0159	0.0000	0.0159	2.4000e-003	0.0000	2.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0465	0.4935	0.3330	7.3000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	63.9548	63.9548	0.0207	0.0000	64.4719
Total	**0.0465**	**0.4935**	**0.3330**	**7.3000e-004**	**0.0159**	**0.0213**	**0.0371**	**2.4000e-003**	**0.0196**	**0.0220**	**0.0000**	**63.9548**	**63.9548**	**0.0207**	**0.0000**	**64.4719**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8500e-003	0.0868	0.0218	2.7000e-004	6.4600e-003	3.0000e-004	6.7600e-003	1.7700e-003	2.9000e-004	2.0600e-003	0.0000	26.8177	26.8177	1.7100e-003	0.0000	26.8604
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	8.4000e-004	9.4500e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.4723	2.4723	7.0000e-005	0.0000	2.4741
Total	**3.9300e-003**	**0.0877**	**0.0312**	**3.0000e-004**	**9.2000e-003**	**3.2000e-004**	**9.5200e-003**	**2.5000e-003**	**3.1000e-004**	**2.8100e-003**	**0.0000**	**29.2900**	**29.2900**	**1.7800e-003**	**0.0000**	**29.3345**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1241	0.0000	0.1241	0.0667	0.0000	0.0667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.3762	0.2391	4.0000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	35.2010	35.2010	0.0114	0.0000	35.4856
Total	**0.0366**	**0.3762**	**0.2391**	**4.0000e-004**	**0.1241**	**0.0200**	**0.1441**	**0.0667**	**0.0184**	**0.0851**	**0.0000**	**35.2010**	**35.2010**	**0.0114**	**0.0000**	**35.4856**

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0252	0.7672	0.1922	2.4100e-003	0.0571	2.6800e-003	0.0597	0.0157	2.5700e-003	0.0182	0.0000	236.9373	236.9373	0.0151	0.0000	237.3147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.5400e-003	0.0174	5.0000e-005	5.0400e-003	4.0000e-005	5.0800e-003	1.3400e-003	4.0000e-005	1.3800e-003	0.0000	4.5490	4.5490	1.3000e-004	0.0000	4.5524
Total	**0.0272**	**0.7688**	**0.2096**	**2.4600e-003**	**0.0621**	**2.7200e-003**	**0.0648**	**0.0170**	**2.6100e-003**	**0.0196**	**0.0000**	**241.4863**	**241.4863**	**0.0152**	**0.0000**	**241.8670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0484	0.0000	0.0484	0.0260	0.0000	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.3762	0.2391	4.0000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	35.2010	35.2010	0.0114	0.0000	35.4856
Total	**0.0366**	**0.3762**	**0.2391**	**4.0000e-004**	**0.0484**	**0.0200**	**0.0684**	**0.0260**	**0.0184**	**0.0444**	**0.0000**	**35.2010**	**35.2010**	**0.0114**	**0.0000**	**35.4856**

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0252	0.7672	0.1922	2.4100e-003	0.0571	2.6800e-003	0.0597	0.0157	2.5700e-003	0.0182	0.0000	236.9373	236.9373	0.0151	0.0000	237.3147
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9800e-003	1.5400e-003	0.0174	5.0000e-005	5.0400e-003	4.0000e-005	5.0800e-003	1.3400e-003	4.0000e-005	1.3800e-003	0.0000	4.5490	4.5490	1.3000e-004	0.0000	4.5524
Total	**0.0272**	**0.7688**	**0.2096**	**2.4600e-003**	**0.0621**	**2.7200e-003**	**0.0648**	**0.0170**	**2.6100e-003**	**0.0196**	**0.0000**	**241.4863**	**241.4863**	**0.0152**	**0.0000**	**241.8670**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1048	1.0094	1.1892	1.9500e-003		0.0521	0.0521		0.0496	0.0496	0.0000	169.3424	169.3424	0.0348	0.0000	170.2112
Total	**0.1048**	**1.0094**	**1.1892**	**1.9500e-003**		**0.0521**	**0.0521**		**0.0496**	**0.0496**	**0.0000**	**169.3424**	**169.3424**	**0.0348**	**0.0000**	**170.2112**

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0515	1.6577	0.4476	4.4500e-003	0.1114	3.1100e-003	0.1145	0.0321	2.9700e-003	0.0351	0.0000	431.9781	431.9781	0.0258	0.0000	432.6232
Worker	0.1663	0.1247	1.4359	4.3500e-003	0.4516	3.6100e-003	0.4552	0.1199	3.3200e-003	0.1233	0.0000	393.2072	393.2072	0.0108	0.0000	393.4779
Total	**0.2178**	**1.7824**	**1.8835**	**8.8000e-003**	**0.5630**	**6.7200e-003**	**0.5697**	**0.1521**	**6.2900e-003**	**0.1584**	**0.0000**	**825.1853**	**825.1853**	**0.0366**	**0.0000**	**826.1011**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1048	1.0094	1.1892	1.9500e-003		0.0521	0.0521		0.0496	0.0496	0.0000	169.3422	169.3422	0.0348	0.0000	170.2110
Total	**0.1048**	**1.0094**	**1.1892**	**1.9500e-003**		**0.0521**	**0.0521**		**0.0496**	**0.0496**	**0.0000**	**169.3422**	**169.3422**	**0.0348**	**0.0000**	**170.2110**

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0515	1.6577	0.4476	4.4500e-003	0.1114	3.1100e-003	0.1145	0.0321	2.9700e-003	0.0351	0.0000	431.9781	431.9781	0.0258	0.0000	432.6232
Worker	0.1663	0.1247	1.4359	4.3500e-003	0.4516	3.6100e-003	0.4552	0.1199	3.3200e-003	0.1233	0.0000	393.2072	393.2072	0.0108	0.0000	393.4779
Total	**0.2178**	**1.7824**	**1.8835**	**8.8000e-003**	**0.5630**	**6.7200e-003**	**0.5697**	**0.1521**	**6.2900e-003**	**0.1584**	**0.0000**	**825.1853**	**825.1853**	**0.0366**	**0.0000**	**826.1011**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0112	0.1074	0.1365	2.2000e-004		5.2000e-003	5.2000e-003		4.9400e-003	4.9400e-003	0.0000	19.5395	19.5395	3.9700e-003	0.0000	19.6386
Total	**0.0112**	**0.1074**	**0.1365**	**2.2000e-004**		**5.2000e-003**	**5.2000e-003**		**4.9400e-003**	**4.9400e-003**	**0.0000**	**19.5395**	**19.5395**	**3.9700e-003**	**0.0000**	**19.6386**

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4100e-003	0.1445	0.0463	5.0000e-004	0.0129	1.7000e-004	0.0130	3.7100e-003	1.6000e-004	3.8700e-003	0.0000	48.2832	48.2832	2.6300e-003	0.0000	48.3490
Worker	0.0180	0.0130	0.1524	4.8000e-004	0.0521	4.0000e-004	0.0525	0.0138	3.7000e-004	0.0142	0.0000	43.7098	43.7098	1.1300e-003	0.0000	43.7380
Total	**0.0225**	**0.1575**	**0.1987**	**9.8000e-004**	**0.0650**	**5.7000e-004**	**0.0655**	**0.0176**	**5.3000e-004**	**0.0181**	**0.0000**	**91.9931**	**91.9931**	**3.7600e-003**	**0.0000**	**92.0870**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0112	0.1074	0.1365	2.2000e-004		5.2000e-003	5.2000e-003		4.9400e-003	4.9400e-003	0.0000	19.5394	19.5394	3.9700e-003	0.0000	19.6386
Total	**0.0112**	**0.1074**	**0.1365**	**2.2000e-004**		**5.2000e-003**	**5.2000e-003**		**4.9400e-003**	**4.9400e-003**	**0.0000**	**19.5394**	**19.5394**	**3.9700e-003**	**0.0000**	**19.6386**

3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4100e-003	0.1445	0.0463	5.0000e-004	0.0129	1.7000e-004	0.0130	3.7100e-003	1.6000e-004	3.8700e-003	0.0000	48.2832	48.2832	2.6300e-003	0.0000	48.3490
Worker	0.0180	0.0130	0.1524	4.8000e-004	0.0521	4.0000e-004	0.0525	0.0138	3.7000e-004	0.0142	0.0000	43.7098	43.7098	1.1300e-003	0.0000	43.7380
Total	**0.0225**	**0.1575**	**0.1987**	**9.8000e-004**	**0.0650**	**5.7000e-004**	**0.0655**	**0.0176**	**5.3000e-004**	**0.0181**	**0.0000**	**91.9931**	**91.9931**	**3.7600e-003**	**0.0000**	**92.0870**

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**1.5100**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0167	0.0125	0.1438	4.4000e-004	0.0452	3.6000e-004	0.0456	0.0120	3.3000e-004	0.0123	0.0000	39.3732	39.3732	1.0800e-003	0.0000	39.4003
Total	**0.0167**	**0.0125**	**0.1438**	**4.4000e-004**	**0.0452**	**3.6000e-004**	**0.0456**	**0.0120**	**3.3000e-004**	**0.0123**	**0.0000**	**39.3732**	**39.3732**	**1.0800e-003**	**0.0000**	**39.4003**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.4966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0134	0.0923	0.1188	1.9000e-004		5.3500e-003	5.3500e-003		5.3500e-003	5.3500e-003	0.0000	16.7238	16.7238	1.0900e-003	0.0000	16.7510
Total	**1.5100**	**0.0923**	**0.1188**	**1.9000e-004**		**5.3500e-003**	**5.3500e-003**		**5.3500e-003**	**5.3500e-003**	**0.0000**	**16.7238**	**16.7238**	**1.0900e-003**	**0.0000**	**16.7510**

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0167	0.0125	0.1438	4.4000e-004	0.0452	3.6000e-004	0.0456	0.0120	3.3000e-004	0.0123	0.0000	39.3732	39.3732	1.0800e-003	0.0000	39.4003
Total	**0.0167**	**0.0125**	**0.1438**	**4.4000e-004**	**0.0452**	**3.6000e-004**	**0.0456**	**0.0120**	**3.3000e-004**	**0.0123**	**0.0000**	**39.3732**	**39.3732**	**1.0800e-003**	**0.0000**	**39.4003**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	5.8600e-003	8.1500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	1.1490	1.1490	7.0000e-005	0.0000	1.1507
Total	**0.1037**	**5.8600e-003**	**8.1500e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**1.1490**	**1.1490**	**7.0000e-005**	**0.0000**	**1.1507**

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	7.8000e-004	9.0800e-003	3.0000e-005	3.1100e-003	2.0000e-005	3.1300e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.6060	2.6060	7.0000e-005	0.0000	2.6077
Total	**1.0800e-003**	**7.8000e-004**	**9.0800e-003**	**3.0000e-005**	**3.1100e-003**	**2.0000e-005**	**3.1300e-003**	**8.3000e-004**	**2.0000e-005**	**8.5000e-004**	**0.0000**	**2.6060**	**2.6060**	**7.0000e-005**	**0.0000**	**2.6077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1028					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	5.8600e-003	8.1500e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	1.1490	1.1490	7.0000e-005	0.0000	1.1507
Total	**0.1037**	**5.8600e-003**	**8.1500e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**1.1490**	**1.1490**	**7.0000e-005**	**0.0000**	**1.1507**

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0800e-003	7.8000e-004	9.0800e-003	3.0000e-005	3.1100e-003	2.0000e-005	3.1300e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.6060	2.6060	7.0000e-005	0.0000	2.6077
Total	**1.0800e-003**	**7.8000e-004**	**9.0800e-003**	**3.0000e-005**	**3.1100e-003**	**2.0000e-005**	**3.1300e-003**	**8.3000e-004**	**2.0000e-005**	**8.5000e-004**	**0.0000**	**2.6060**	**2.6060**	**7.0000e-005**	**0.0000**	**2.6077**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4800e-003	0.0726	0.0964	1.4000e-004		3.9900e-003	3.9900e-003		3.6700e-003	3.6700e-003	0.0000	12.5757	12.5757	4.0700e-003	0.0000	12.6774
Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8200e-003**	**0.0726**	**0.0964**	**1.4000e-004**		**3.9900e-003**	**3.9900e-003**		**3.6700e-003**	**3.6700e-003**	**0.0000**	**12.5757**	**12.5757**	**4.0700e-003**	**0.0000**	**12.6774**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	7.6000e-004	8.7100e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3854	2.3854	7.0000e-005	0.0000	2.3870
Total	**1.0100e-003**	**7.6000e-004**	**8.7100e-003**	**3.0000e-005**	**2.7400e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3854**	**2.3854**	**7.0000e-005**	**0.0000**	**2.3870**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4800e-003	0.0726	0.0964	1.4000e-004		3.9900e-003	3.9900e-003		3.6700e-003	3.6700e-003	0.0000	12.5757	12.5757	4.0700e-003	0.0000	12.6774
Paving	3.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8200e-003**	**0.0726**	**0.0964**	**1.4000e-004**		**3.9900e-003**	**3.9900e-003**		**3.6700e-003**	**3.6700e-003**	**0.0000**	**12.5757**	**12.5757**	**4.0700e-003**	**0.0000**	**12.6774**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	7.6000e-004	8.7100e-003	3.0000e-005	2.7400e-003	2.0000e-005	2.7600e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.3854	2.3854	7.0000e-005	0.0000	2.3870
Total	**1.0100e-003**	**7.6000e-004**	**8.7100e-003**	**3.0000e-005**	**2.7400e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.3854**	**2.3854**	**7.0000e-005**	**0.0000**	**2.3870**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0999	0.1445	2.1000e-004		5.2500e-003	5.2500e-003		4.8300e-003	4.8300e-003	0.0000	18.8682	18.8682	6.1000e-003	0.0000	19.0207
Paving	5.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.0999**	**0.1445**	**2.1000e-004**		**5.2500e-003**	**5.2500e-003**		**4.8300e-003**	**4.8300e-003**	**0.0000**	**18.8682**	**18.8682**	**6.1000e-003**	**0.0000**	**19.0207**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0300e-003	0.0120	4.0000e-005	4.1100e-003	3.0000e-005	4.1400e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.4472	3.4472	9.0000e-005	0.0000	3.4494
Total	**1.4200e-003**	**1.0300e-003**	**0.0120**	**4.0000e-005**	**4.1100e-003**	**3.0000e-005**	**4.1400e-003**	**1.0900e-003**	**3.0000e-005**	**1.1200e-003**	**0.0000**	**3.4472**	**3.4472**	**9.0000e-005**	**0.0000**	**3.4494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0999	0.1445	2.1000e-004		5.2500e-003	5.2500e-003		4.8300e-003	4.8300e-003	0.0000	18.8681	18.8681	6.1000e-003	0.0000	19.0207
Paving	5.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.0999**	**0.1445**	**2.1000e-004**		**5.2500e-003**	**5.2500e-003**		**4.8300e-003**	**4.8300e-003**	**0.0000**	**18.8681**	**18.8681**	**6.1000e-003**	**0.0000**	**19.0207**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4200e-003	1.0300e-003	0.0120	4.0000e-005	4.1100e-003	3.0000e-005	4.1400e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.4472	3.4472	9.0000e-005	0.0000	3.4494
Total	**1.4200e-003**	**1.0300e-003**	**0.0120**	**4.0000e-005**	**4.1100e-003**	**3.0000e-005**	**4.1400e-003**	**1.0900e-003**	**3.0000e-005**	**1.1200e-003**	**0.0000**	**3.4472**	**3.4472**	**9.0000e-005**	**0.0000**	**3.4494**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6892	3.0530	8.4895	0.0310	2.5959	0.0238	2.6197	0.6958	0.0221	0.7179	0.0000	2,866.5331	2,866.5331	0.1447	0.0000	2,870.1515
Unmitigated	0.7739	3.5149	10.6095	0.0401	3.4214	0.0304	3.4519	0.9171	0.0283	0.9454	0.0000	3,711.0381	3,711.0381	0.1822	0.0000	3,715.5942

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,798.32	2,798.32	2798.32	9,014,663	6,839,658
Parking Lot	0.00	0.00	0.00		
Total	2,798.32	2,798.32	2,798.32	9,014,663	6,839,658

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
General Office Building	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862
Parking Lot	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,054.8250	2,054.8250	0.0848	0.0176	2,062.1762
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,253.9799	2,253.9799	0.0931	0.0193	2,262.0436
NaturalGas Mitigated	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.3157	183.3157	3.5100e-003	3.3600e-003	184.4050
NaturalGas Unmitigated	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.3157	183.3157	3.5100e-003	3.3600e-003	184.4050

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	3.43521e+006	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.3157	183.3157	3.5100e-003	3.3600e-003	184.4050
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0185**	**0.1684**	**0.1415**	**1.0100e-003**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**183.3157**	**183.3157**	**3.5100e-003**	**3.3600e-003**	**184.4050**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	3.43521e+006	0.0185	0.1684	0.1415	1.0100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	183.3157	183.3157	3.5100e-003	3.3600e-003	184.4050
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0185**	**0.1684**	**0.1415**	**1.0100e-003**		**0.0128**	**0.0128**		**0.0128**	**0.0128**	**0.0000**	**183.3157**	**183.3157**	**3.5100e-003**	**3.3600e-003**	**184.4050**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.77764e+006	885.0156	0.0365	7.5600e-003	888.1818
General Office Building	4.28658e+006	1,365.7972	0.0564	0.0117	1,370.6834
Parking Lot	9940	3.1671	1.3000e-004	3.0000e-005	3.1784
Total		**2,253.9799**	**0.0931**	**0.0193**	**2,262.0436**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.52879e+006	805.7267	0.0333	6.8800e-003	808.6092
General Office Building	3.91336e+006	1,246.8814	0.0515	0.0107	1,251.3421
Parking Lot	6958	2.2170	9.0000e-005	2.0000e-005	2.2249
Total		**2,054.8250**	**0.0848**	**0.0176**	**2,062.1762**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3867	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419
Unmitigated	1.3867	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8700e-003	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419
Total	**1.3867**	**1.8000e-004**	**0.0202**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0394**	**0.0394**	**1.0000e-004**	**0.0000**	**0.0419**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8700e-003	1.8000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0394	0.0394	1.0000e-004	0.0000	0.0419
Total	**1.3867**	**1.8000e-004**	**0.0202**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0394**	**0.0394**	**1.0000e-004**	**0.0000**	**0.0419**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	340.5583	1.6264	0.0409	393.3948
Unmitigated	389.1821	1.9264	0.0483	451.7334

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	58.6504 / 35.947	389.1821	1.9264	0.0483	451.7334
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**389.1821**	**1.9264**	**0.0483**	**451.7334**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	49.5009 / 33.7542	340.5583	1.6264	0.0409	393.3948
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**340.5583**	**1.6264**	**0.0409**	**393.3948**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.1480	1.8408	0.0000	77.1677
Unmitigated	62.2959	3.6816	0.0000	154.3355

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	306.89	62.2959	3.6816	0.0000	154.3355
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**62.2959**	**3.6816**	**0.0000**	**154.3355**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	153.445	31.1480	1.8408	0.0000	77.1677
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**31.1480**	**1.8408**	**0.0000**	**77.1677**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

APPENDIX C
Cultural Resources Assessment

Michael Baker INTERNATIONAL

We Make a Difference

January 7, 2021

Mr. Eduardo Schonborn, AICP, Principal Planner
CITY OF EL SEGUNDO
350 Main Street
El Segundo, CA 90245

RE: CULTURAL RESOURCES IDENTIFICATION MEMO FOR THE 650-700 PCH PROJECT CITY OF EL SEGUNDO, LOS ANGELES COUNTY, CALIFORNIA

Dear Mr. Schonborn:

In support of the 650-700 PCH Project (Project), Michael Baker International, Inc. (Michael Baker) staff completed a South Central Coastal Information Center (SCCIC) records search, historical map review, and evaluation for the California Register of Historical Resources (California Register) of the two buildings located at 650 and 700 North Pacific Coast Highway (PCH), in the City of El Segundo. These efforts were completed to determine whether the proposed Project could result in adverse impacts to cultural resources in accordance with the California Environmental Quality Act (CEQA). Methods, results, and recommendations are summarized below; figures are provided in **Attachment 1**.

PROJECT DESCRIPTION

The Project proposes constructing a seven-story, 122,156-gross-square-foot office building with a 1,185-space parking structure, as well as renovations and modernizations to both the exterior facades and the interiors of the existing office buildings at 650 North Pacific Coast Highway and 700 North Pacific Coast Highway in the City of El Segundo. The renovations include alterations to the building at 650 North Pacific Coast Highway and will include enhanced landscaping improvements with the addition of a large outdoor landscaped plaza with outdoor seating. The plaza will be surrounded by the two extant buildings and the new office building to create a cohesive pedestrian office campus. The Project will also return pedestrian entrances to the street-side façade of the buildings.

CULTURAL RESOURCES IDENTIFICATION

The methods and results of the SCCIC records search, historical map search, review of the existing building permitting documents and technical reports including Phase I Environmental Site Assessments and Preliminary Geotechnical Investigation, and California Register evaluation are presented below. No pedestrian survey was undertaken due to no access to the facilities as a result of the heightened security status of the current building occupant (Boeing). Instead, client-provided photos, taken May 1, 2020, were reviewed. Also due to lack of direct physical access, street-level views from Google Earth and Google Maps were utilized.

SOUTH CENTRAL COASTAL INFORMATION CENTER

SCCIC staff conducted a records search (File No. 21729.7831) on October 15, 2020. The SCCIC, as part of the California Historical Resources Information System, California State University, Fullerton, an affiliate of the California Office of Historic Preservation (OHP), is the official state repository of cultural resources

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records and reports for Los Angeles County. As part of the records search, the following federal and California inventories were reviewed:

- California Inventory of Historic Resources (OHP 1976)
- California Points of Historical Interest (OHP 1992 and updates)
- California Historical Landmarks (OHP 1996)
- Directory of Properties in the Historic Property Data File (OHP 2012). The directory includes the listings of the National Register of Historic Places (National Register), National Historic Landmarks, California Register, California Historical Landmarks, and California Points of Historical Interest for Los Angeles County.

No cultural resources were identified within the Project area. Three cultural resource reports were previously completed within the Project area; six reports were within the quarter-mile search area as identified below.

Author(s)	Date	Title	In Project area?	Resources in Project area?
Stickel, Gary E.	1993	*Draft Report a Phase I Cultural Resources Literature Search for the West Basin Water Reclamation Project*	Yes	No
Avina, Mike	2001	*Monitoring Report for Xo California Builds-1920 Maple Avenue, El Segundo, California, and 4000 Macarthur Blvd, Newport Beach, California*	No	No
Bonner, Wayne H. and Kathleen A. Crawford	2007	*Cultural Resources Records Search And Site Visit Results for Royal Street Communications, LLC, Candidate La2640a (SCE El Nido), 1703 East Mariposa Avenue, El Segundo, Los Angeles County, California*	No	No
Bonner, Wayne H.	2007	*Direct APE Historic Architectural Assessment for Royal Street Communications, LLC Candidate LA2640A (SCE El Nido), 1703 East Mariposa Avenue, El Segundo, Los Angeles County, California*	No	No
Harper, Caprice D. and Francesca Smith	2008	*Preliminary Cultural Resources Survey for the Formation of the Wiseburn Unified School District Project, Cities of El Segundo and Hawthorne, and Unincorporated Los Angeles County, CA*	Yes	No
Metro	2011	*Crenshaw/LAX Transit Corridor Project Final Environmental Impact Report/Final Environmental Impact Statement*	Yes	No

LITERATURE AND HISTORICAL MAP REVIEW

The division of prehistory into temporal periods provides a framework for understanding culture change in years before present (BP). The earliest inhabitants to the Los Angeles Basin occurred in the Paleocoastal or Paleoindian Period terms, indicating proximity to the coast (Moratto 1984; Erlandson et al. 2007) and is generally dated between about 13,000 and 8,500 BP. These earliest inhabitants were highly mobile hunter-gatherers. Warren (1968) and others (Sutton and Gardner 2010) redefined the Millingstone Horizon as the Encinitas Tradition, which dates to between about 8,500 BP and 3,500 BP. Encinitas is a widespread cultural phenomenon distinguished by an abundance of manos and metates

and a dearth of vertebrate faunal remains, projectile points, and mortar and pestle groundstone tools. Definitions of the Intermediate Period and Late Prehistoric Period continue to be employed as temporal periods as Wallace (1955) defined them, though understanding of cultural practices, technology, and migrations, among other aspects, has been thoroughly deepened (as summarized by Sutton 2010).

At the beginning of the historic period, the Project location is understood to be within the ancestral territory of the Gabrieliños though no Gabrieliño villages are known to be within the vicinity of the Project site, and the place name *Waachnga* (McCawley 1996) is located approximately 3 miles to the north-northwest. This place name potentially corresponds to the location of *Gauchn*, a Gabrieliño village (Kirkman 1938). The Gabrieliño Indians are named because of their association with the Mission San Gabriel Arcángel, located approximately 20 miles northeast. Generally, their territory included all of the Los Angeles Basin, parts of the Santa Ana and Santa Monica Mountains, along the coast from Aliso Creek in the south to Topanga Canyon in the north, and San Clemente, San Nicolas, and Santa Catalina Islands. The Gabrielino spoke a dialect of the Cupan group of the Takic language family (Bean and Smith 1978: 538-549).

The Project area was once part of Rancho Sausal Redondo and remained undeveloped until 1927. Between 1928 and 1947, the land was used for agricultural purposes. No built features are depicted within the Project area until 1953 with the extant building at 737 Lairport Street. By 1964, both 650 and 700 North Pacific Coast Highway are depicted in the Project area. The Project area has remained relatively unchanged since 1965; see **Attachment 2**. (AEI Consultants 2020; BLM 1868; Historicaerials.com 2020; USGS 1924, 1930, 1948, 1950, 1957, 1964; UCSB 1952, 1956, 1965, 1971; Harper and Smith 2008; Metro 2011).

CALIFORNIA REGISTER

The buildings located at 650 and 700 North Pacific Coast Highway were evaluated for inclusion in the California Register and recommended ineligible for listing under Criteria 1, 2, 3, or 4 both individually and as contributors to a historic district due to a lack of association with a historic context. Additionally, the resources were evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and they do not appear to be historic resources for the purposes of CEQA.

Refer to **Attachment 2** for the full resource descriptions and evaluations with historic context.

FINDINGS AND RECOMMENDATIONS

The SCCIC records search, literature and historical map review, and California Register evaluations identified no historic resources as defined by CEQA Section 15064.5(a) within the Project area.

There are no known archaeological resources in the Project site; however, there is potential, however slight, to uncover previously unidentified archaeological resources during excavation into native soil. Archaeological and Native American monitoring shall be conducted for ground disturbing activities within the Project site. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983). If suspected prehistoric or historical archaeological deposits are discovered during construction, all work within the immediate area of the discovery shall be redirected and the find must be evaluated by a qualified archaeologist. Depending upon the nature of the find, if the discovery proves to be potentially significant under CEQA, as determined by the qualified archaeologist,

additional work such as such as on site monitoring by a qualified Native American Tribal representative, data recovery excavation, avoidance of the area of the find, documentation, testing, data recovery, reburial, archival review and/or transfer to the appropriate museum or educational institution, or other appropriate actions may be warranted at the discretion of the qualified archaeologist. The archaeologist shall complete a report of excavations and findings, and submit the report to the Director of Planning and Building Safety. After the find is appropriately mitigated, work in the area may resume.

Any human remains encountered during Project ground-disturbing activities shall be treated in accordance with California Health and Safety Code Section 7050.5, which states that no further disturbance shall occur until the County Coroner has made a determination of the origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the County Coroner shall be notified immediately. If the human remains are determined to be prehistoric, the coroner shall notify the Native American Heritage Commission (NAHC), which shall determine and notify the most likely descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.

PREPARER QUALIFICATIONS

Chris Wendt, Architectural Historian, has over 12 years of experience teaching history and English. He assists senior architectural historians with a variety of tasks, including field survey and photographic documentation of historic-age resources, property research, writing architectural descriptions, and developing historic statements. He conducts National Register, California Register, and various local register evaluations for projects subject to CEQA and Section 106 of the National Historic Preservation Act. He has served as the visitor services and volunteer coordinator for the Los Angeles Museum of the Holocaust and Museum of Sonoma County. He also worked with the Petaluma Historical Museum and Library and Cotati Museum and Historical Society where he conducted archival research and aided in the identification of historic resources. He is a Secretary of the Interior Professionally Qualified historian and architectural historian.

Nicholas F. Hearth, Principal Investigator/Senior Archaeologist, is a registered professional archaeologist (#989903) and meets the Secretary of the Interior's Professional Qualification Standards for archeology and history, and the Society for California Archaeology's professional qualification standards for Principal Investigator. Mr. Hearth has 18 years of experience in cultural resources management, including project management, personnel management, Native American consultation, archival research, laboratory analysis, ethnographic and historical research, field survey, prehistoric and historical excavation, laboratory analysis, collections management, and GIS applications. He has experience with cultural and tribal cultural resources issues as they relate to CEQA and the National Environmental Policy Act. He directs the preparation of cultural resources technical studies compliant with Section 106 of the National Historic Preservation Act and CEQA, including studies documenting research, survey, testing, excavation, monitoring, and evaluation for inclusion in the National Register and California Register. He has worked in California, Nevada, Utah, New Mexico, across the Midwest, throughout New England, and in four countries in Central America.

Sincerely,

Nick Hearth, RPA
Senior Archaeologist

Chris Wendt, MA
Architectural Historian

Attachments:

Attachment 1 – Figures

Attachment 2 – DPR 523 Forms

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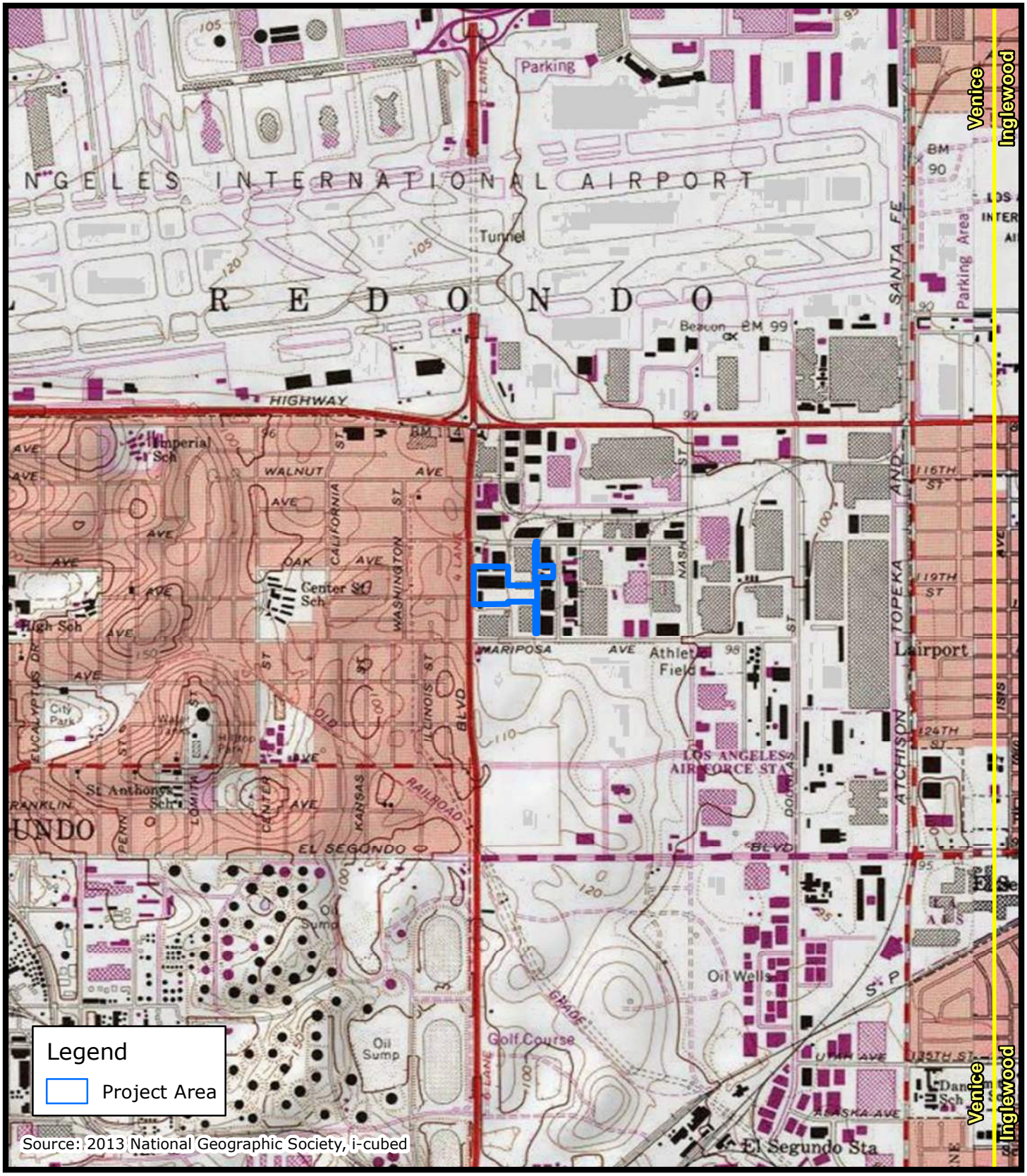
Attachment 1
Figures

FIGURE 1

Regional Location Map

Michael Baker INTERNATIONAL



N
W E
S

0 1,000 2,000 Feet

FIGURE 2

Project Location Map

Michael Baker INTERNATIONAL

N
W E
S

0 200 400 Feet

FIGURE 3

Area of Potential Effects

Michael Baker INTERNATIONAL

Attachment 2
DPR 523 Forms

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** 650 North Pacific Coast Highway

P1. Other Identifier: N/A

*P2. **Location:** ☒ **Unrestricted**

***a. County** Los Angeles **and**

***b. USGS 7.5' Quad** *Venice, Calif.* **Date** 1964 **T** 3S; **R** 14W ; S.B.B.M

c. Address: 650 North Pacific Coast Highway City: El Segundo Zip: 90245

d. UTM: Zone: 11S, 370970 mE/ 3754727 mN

e. Other Locational Data: APN - 4138-006-031

***P3a. Description:** Building S37 (subject property), is located at 650 North Pacific Coast Highway, El Segundo, CA 92045 (alternate address 650 North Sepulveda Boulevard, El Segundo, CA 90245). Built 1961-1962, Building S37 is an example of the International Style, specifically showcasing Bauhaus and Corbusian influence. The building is separated from North Pacific Coast Highway by a flat, concrete-paved sidewalk. Building S37 is rectangular in plan, measuring approximately 256 feet by 65 feet. The building is of steel frame and concrete construction, rising from a concrete slab foundation. Building S37 rises a full eight stories in height (excluding the rooftop head house): seven stories are visible on the west (front) façade, and eight stories are visible on the east (rear) façade. Two one-story, mechanical wings extend from the east (rear) façade, flanking an asphalt-paved parking lot. The parking lot is accessible via a vehicular portal that passes through Building S37 at its southern end. Building S37 has a flat roof clad in modern synthetics and is punctuated by a one-story headhouse (60 feet by 33 feet) and a modern, irregularly shaped, one-story microwave penthouse (built 1996) diagonally situated at the building's northeastern corner. The roof of this penthouse is clad in corrugated metal. The ground level on the west (front) façade, including the building's former main entrance, has been infilled with concrete block clad in polished granite slabs (altered 1970 and 1984). The former entrance is demarcated by a cantilevered canopy and exposed aggregate concrete steps. The building's main entrance was relocated to the east (rear) façade, off the parking lot. Floors two through eight are clad in a modern, exterior insulation and finish system (EIFS) curtain wall system (applied 2000). The exterior curtain wall is punctuated by aluminum-framed, ribbon windows (installed 2000) separated by vertical concrete-clad columns. The second floor on the west (front) façade has no windows; they were likely infilled during the application of the EIFS system. The top floor on the west (front) façade prominently features recessed, open balconies; these were originally intended for use as greenspace. The east (rear) façade of Building S37 largely mirrors the configuration of the west (front) façade, except for a series of centered, uncovered balconies running from the second to the eighth story (added 2000).

***P4. Resources Present:** ☒ Building

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo: Photograph 1: View of the west (front) and south (side) façades of the building located at 650 North Pacific Coast Highway, facing northwest. October 2019.

P6. Date Constructed/Age and Source: ☐ Historic
1962 (LACDPW 2020)

***P7. Owner and Address:**
L&R Zac 650 Sepulveda LLC,
8445 Santa Monica Boulevard, Suite 5
West Hollywood, CA 90069

***P8. Recorded by:**
Molnar, Katherine and Chris Wendt
Michael Baker International, Inc.
2729 Prospect Park Drive, #220
Rancho Cordova, CA 95670

***P9. Date Recorded:** October 21, 2020

***P10. Survey Type:** Intensive

***P11. Report Citation:** Hearth, Nicholas and Chris Wendt. 2020. "Cultural Resources Identification Memo for the 650-700 Pacific Coast Highway Project, Los Angeles County, California." Ontario, CA: Michael Baker International.

***Attachments:** ☒Location Map ☒Continuation Sheet ☒Building, Structure, and Object Record

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z
***Resource Name or #** 650 North Pacific Coast Highway

B1. Historic Name: Aerospace Center
B2. Common Name: Building S37
B3. Original Use: Commercial
B4. Present Use: Commercial
***B5. Architectural Style:**
***B6. Construction History:**

Originally designed as an office building catering to the nascent aerospace industry in El Segundo, construction of the subject property began in April 1961 (LAT 1961c: 137). It was completed in 1962. The building was designed by architect Daniel L. Dworsky of Los Angeles, principal of Dworsky & Associates, and built by the Contracting Engineers Company (LAT 1961c: 137). The building's reported cost of construction was approximately $2.5 million (LAT 1961c: 137). In 1970, the building's ground floor was enclosed with concrete block, clad in granite. In 1976, the exposed aggregate concrete steps and curbs were altered due to street widening. In 1984, the second and third floors were renovated at a cost of $1.8 million. In 1985, the lobby was renovated o add an additional 636 square feet of space and a covered entrance. That same year, work was undertaken between the fourth floor and the penthouse level. This included a complete demolition and renovation of the offices and corridors. In 1994 the first floor was also renovated, enclosing the elevator lobby with security walls. In 1996, an 814-square-foot steel microwave penthouse was constructed on the roof. In 2000, Building S37 underwent substantial exterior alterations. This included removal of sunscreens and window louvers, the application of new glazing on floors three through eight, the construction of new balconies on the east (rear) façade, and the application of an EIFS system (City of El Segundo 1961-2000: 15, 34, 44, 51-52, 59, 76, 85-86, 306, 308, 341).

***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** N/A **Original Location:** N/A
***B8. Related Features:** N/A
B9a. Architect: Daniel L. Dworsky, Dworsky & Associates b. Builder: The Contracting Engineers Company

***B10. Significance: Theme** N/A **Area:** El Segundo
Period of Significance: 1962 **Property Type:** Commercial **Applicable Criteria:** Criterion 3

SEE CONTINUATION SHEETS

B11. Additional Resource Attributes: N/A

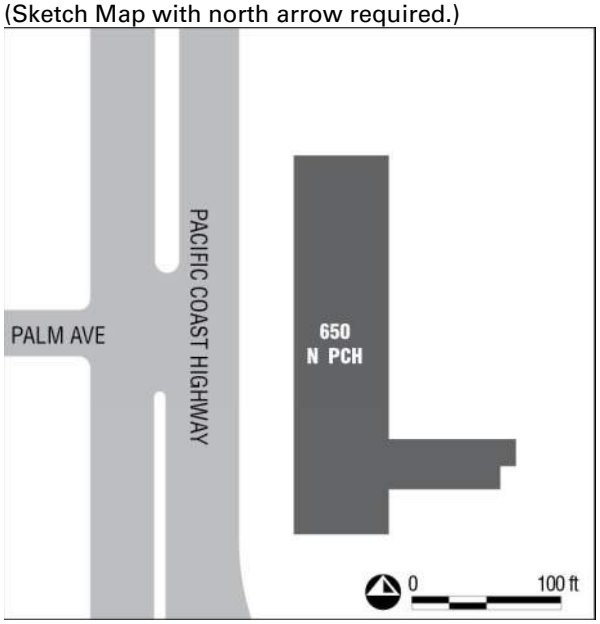
***B12. References: SEE CONTINUATION SHEETS**
B13. Remarks: N/A
***B14. Evaluator:**

Chris Wendt, Architectural Historian
Michael Baker International
2729 Prospect Park Drive, #220
Rancho Cordova, CA 95670

***Date of Evaluation:** October 21, 2020

(This space reserved for official comments.)

(Sketch Map with north arrow required.)



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

***Resource Name or #** 650 North Pacific Coast Highway
***Map Name:** *Venice, Calif* ***Scale:** 1:24,000 ***Date of map:** January 6th, 2021

N W E S

0 1,000 2,000 Feet

650 N Pacific Highway
Resource Location Map

Michael Baker INTERNATIONAL

* Required information

***B10. Significance (continued):**

Overview: Twentieth Century Development of El Segundo

Incorporated as a city on January 18, 1917, the area's local economy was historically dominated by the oil industry at the time of its founding. Throughout the 1910s and 1920s, the refinement of oil and the production of petroleum products remained central to the region's economy. However, in 1927, Mines Field opened a short distance north of the subject property. Later known as the Los Angeles Municipal Airport—eventually growing into Los Angeles International Airport (LAX)—Mines Field was the first municipal airport serving the greater Los Angeles area. The siting of the airport to the immediate north of El Segundo had a profound effect on the local and regional economies, driving the diversification of businesses. This ultimately resulted in an eclipse of the oil industry's prominence.

During the 1940s and 1950s, several aviation and defense contractors relocated to El Segundo, citing proximity to the airport. Among these companies were Douglas and Hughes Aircraft, Northrop (later Northrop Grumman), and North American Aviation (later Rockwell) (El Segundo Chamber of Commerce 2020; Harper and Smith 2008: 18). The addition of the Aerospace Company Corporation in 1960 and the establishment of the Los Angeles Air Force Base in 1964 further bolstered the region's economy (Harper and Smith 2008: 18-19). The Los Angeles Air Force Base became the only active-duty military based in the Los Angeles area and most notably housed the 61st Air Base Wing and the Space and Missile Systems Center. Growth and diversification of El Segundo continued beyond the 1950s and 1960s with aviation industry leaders like Boeing, Lockheed Martin, and Raytheon choosing to locate within the city. Corporate aerospace and satellite designers, manufacturing high-technology mechanisms to support the nation's defense and exploration efforts, continued to expand over the final decades of the twentieth century.

Today, over half of the satellites and vehicles in space are manufactured in El Segundo, with numerous aerospace industry leaders choosing to locate within the city limits (El Segundo Chamber of Commerce 2017: 30-36; Harper and Smith 2008: 18-19).

North Sepulveda/North Pacific Coast Highway Corridor Development

In 1962, the El Segundo Chamber of Commerce dubbed the stretch of Sepulveda Boulevard running within the city limits as the "International Mile." Drawing inspiration for the name from nearby LAX, the "International Mile" included what was, at the time, the tallest building in the South Bay area: the eight-story Aerospace Center at 650 North Sepulveda Boulevard (subject property).

Although the "International Mile" moniker did not endure, development continued along Sepulveda Boulevard well into the late twentieth century. Illustrating the trend in frenzied mid-twentieth-century development, in 1952, aerial photographs of the subject property depict largely undeveloped land (Photograph 2). However, by 1965, this area had been fully developed with multi-story complexes and commercial office buildings (Photograph 3) (Brighton 2014; El Segundo Chamber of Commerce 2017: 30-36: LAT 1962a: 154).

Photograph 2 (left): 1952 aerial photograph depicting the property at 650 North Pacific Coast Highway vacant (UCSB 1952).
Photograph 3 (right): 1965 aerial photograph depicting the subject property (red line) at 650 North Pacific Coast Highway (UCSB 1965).

***B10. Significance (continued):**

Property Specific Contextual History

Construction of the subject property began in early 1961. It was completed in late 1962. The building was financed and developed by Allen H. Rabin, president of the Rabin Company (later the Rabin-Winter Corporation). The Rabin Company specialized in the manufacture and distribution of drugs and other pharmaceutical products. In 1957, the Rabin Company acquired a vacant parcel at 700 North Sepulveda Boulevard in order to construct its new headquarters and distribution center (UCSB 1952, 1965; LACDPW 2020).

In the early 1960s, after observing the growing need for office space within proximity of LAX, Rabin contracted with architect Daniel L. Dworsky to design what would become known as the Aerospace Center (subject property). Rabin intended for the building to be the nation's first office building dedicated solely to serving the needs of the nascent aerospace industry. These services would include a 24-hour classified secretarial service, a reproduction center, a classified waste disposal service meeting the Department of Defense security requirements, a 24-hour travel center, and an officially designated heliport on the roof of the building (LAT 1961c: 137; 1961d: 158; 1962c: 134). Dworsky designed the building in the International Style. The Contracting Engineers Company served as the general contracting firm for the project. It was built at a reported cost of approximately $2.5 million dollars. Upon completion, the subject property was the tallest building in the City of El Segundo (Photographs 4 and 5).

OPENED—Aerospace Center Building for firms engaged in space age activity.

NEAR AIRPORT—Completed Aerospace Center at 650 N. Sepulveda Blvd. in El Segundo houses executive offices of firms in missile and aircraft fields. Design by Daniel Dworsky & Associates. Owner-builder, Contracting Engineers.

Photograph 4 (left): Newspaper photograph depicting 650 North Pacific Coast Highway shortly after completion (LAT 1962c: 134).
Photograph 5 (right): Newspaper photograph depicting 650 North Pacific Coast Highway shortly after completion (LAT 1963a: 131).

***B10. Significance (continued):**

Since its completion in 1962, the subject property has undergone extensive interior and exterior alterations. These alterations and their respective dates of completion are summarized in **Table 1** (City of El Segundo 2020: 3, 15, 34, 44, 51-52, 59, 76, 85-86, 306, 308, 341).

Table 1: Known Alterations to Subject Property

Date	Description of Work
04/17/1961	Original building permit listing architect, engineer, and contracting company.
11/17/1970	Concrete block wall faced with granite.
03/09/1976	Sawcut concrete and build concrete steps and curbs. Readjustment due to street widening.
09/21/1984	Renovate 2 and 3 floors ($1.8 million).
10/09/1984	Renovation of ground and 1st floor.
01/31/1985	Complete demolition of offices and corridors, floors 4, 5, 6, 7, and penthouse.
03/11/1994	Remodel 1st floor lobby enclosing security walls at elevator lobby.
05/28/1996	Steel structure platform on roof to support antennae enclosure.
03/06/2000	Applying glazing to existing planters at floors 3-8 (adding 600 SF to building interiors).
03/30/2000	Demolition of window louvers.
07/25/2000	Remove existing sunscreens, add new balconies on east side, new EIFS exterior finish.

Corporate Occupancy, 1961 to Present

The subject property's known corporate occupancy between 1962 and the present is identified in **Table 2** (EPA 2015; California Secretary of State 2020; LAT 1961e: 128, 1962b: 88, 1962d: 350, 1963b: 44, 1965a: 109, 1965b: 380, 1965c: 80, 1967: 67, 1968: 106; Lombardi and Eastman 2011: 45-46; Independent Press-Telegram 1962: 70).

Table 2: Corporate Occupancy

Date	Address	Business
1961-1967	650 North Sepulveda Boulevard	Automation Industries Inc.
1962-2008	650 North Sepulveda Boulevard	Computer Sciences Corporation (aka Computer Sciences Institute)
1962-1965	650 North Sepulveda Boulevard	Trans-Global Travel Bureau
1962	650 North Sepulveda Boulevard	Panelyte Industrial Division of Thiokol Chemical Corporation
1963-1967	650 North Sepulveda Boulevard Room 618	LTV-Chance Vought a division of Ling-Temco-Vought, Inc. (later LTV Aerospace Corporation)
1964-1965	650 North Sepulveda Boulevard Room 730	Thompson-Ramo-Wooldridge Electronics
1965	650 North Sepulveda Boulevard	Leonard's Department Stores
1965-68	650 North Sepulveda Boulevard	Mechanics Research Inc.
1984-2000	650 North Sepulveda Boulevard	Hughes Space & Communications Company
2015-Present	650 North Sepulveda Boulevard	The Boeing Company

***B10. Significance (continued):**

Computer Sciences Corporation
Computer Sciences Corporation (CSC) occupied the subject property between 1962 and 2008. CSC was founded in Los Angeles County in 1959 by Fletcher Jones and Roy Nutt. Over the next five decades, CSC grew rapidly to serve governments and enterprises worldwide, laying the foundation for what is known today as the information technology (IT) industry. CSC provided systems design and integration, IT and business process outsourcing, applications software development, web and application hosting, and management consulting. CSC merged with HP Enterprise Services in 2017, creating a new company, DXC Technology (Fundinguniverse.com 2020a; LAT 1962d: 350; POGO 2020).

Thiokol Chemical Corporation
Thiokol Chemical Corporation originated in the early twentieth century when, in 1926, chemists Joseph C. Patrick and Nathan Mnookin invented a synthetic rubber polymer that was discovered to be resistant to solvents. Patrick and Mnookin named the polymer "Thiokol," from the Greek words for sulfur (theion) and glue (kolla). Following the invention, the Thiokol Chemical Corporation was founded on December 5, 1929. With the financial support of salt merchant Bevis Longstreth, Thiokol opened a plant in Kansas City, Missouri, and eventually relocated to Trenton, New Jersey, in 1935. The Thiokol Chemical Corporation was propelled to prominence after the appointment of Joseph W. Crosby to the position of vice president and general manager in 1944. In speaking with scientists at the Jet Propulsion Laboratory at the California Institute of Technology, Crosby learned that the polymer Thiokol could be used as fuel (Fundinguniverse.com 2020b).

In the early 1950s, rockets were powered by liquid fuel. Due to its high flammability, liquid rocket fuel was considered exceptionally dangerous. Thiokol's polymer gained attention as a solid-fuel polymer, making it a safer solution to liquid fuel. Bolstered by contracts with the United States military, the company grew and was able to diversify. Having gained nearly 70 percent of the rocket fuel market by the 1950s, the company began to design and manufacture rocket engines. Thiokol continued its growth and, in the 1960s, expanded into the manufacture of the propulsion systems for the Minuteman 3 rocket, the Poseidon submarine, and the Sam-D missile. The company also provided pyrotechnic devices to the U.S. government for the Vietnam War (Fundinguniverse.com 2020b).

In 1962, Thiokol named Arthur P. Simard manager of its new West Coast sales office for its Panelyte Industrial Division. Panelyte is a proprietary composite material that forms an extremely strong yet lightweight composite panel, which is used extensively by the aerospace industry. The Panelyte Industrial Division of Thiokol was located in the subject property (Independent Press-Telegram 1962: 70; Transmaterial.net 2007).

LTV-Chance Vought: A Division of Ling-Temco-Vought, Inc. (later known as LTV Aerospace)
LTV-Chance Vought, and later LTV Aerospace, occupied the subject property from 1963-1967 (LAT 1963b: 44, 1967: 67). The LTV Corporation was founded in Dallas, Texas, in 1947 when founder James L. Ling of Oklahoma formed the Ling Electrical Company. In 1955, Ling formally incorporated the company. In 1956, the company acquired L.M. Electronics, and in 1959, acquired Altec Electronic. In 1960, the company merged with Temco Aircraft, a military aircraft and missile manufacturer, and acquired defense contractor Chance Vought in 1961. The new firm became known as Ling-Temco-Vought, Inc. In 1964, while retaining a majority interest, Ling established three public companies, LTV Aerospace, LTV Ling Altec, and LTV Electrosystems (later E-Systems) from his existing operations (TSHA 2020). LTV Aerospace was formed from the LTV-Chance Vought division of Ling-Temco-Vought, Inc (LAT 1963b: 44).

In 1961, company sales reached $2.7 billion, and by 1969, the company had either acquired or was involved with 33 additional corporations. The company primarily focused on the production of steel, defense contracting, and energy-related products. The LTV Corporation again began expansion in 1977 when it merged with Lykes Corporation (a petroleum-equipment company) and Youngstown Sheet and Tube. By 1980, the company was engaged in five basic industries: steel, energy production and service, meat and food products, ocean shipping through Lykes Brothers, and aerospace. In 1984, the company acquired Republic Steel, but falling steel and oil prices, coupled with other losses, put the company on financially unstable ground. In 1986, LTV filed for bankruptcy, and by 1991, the company's workforce was cut from 48,300 to 34,600. By 2002, LTV sold its last holdings, production plants in Chicago and Cleveland, to outside investors, who formed the International Steel Group, bringing LTV Corporation's commercial tenure to an end (Crawford Auto-Aviation Museum 2016; TSHA 2020).

***B10. Significance (continued):**

Thompson-Ramo-Wooldridge Electronics (later TRW, Inc.)
Thompson-Ramo-Wooldridge Electronics, and later TRW, Inc., occupied the subject property ca. 1964-1965. The exact nature of the company's operations at this site are unclear (LAT 1964: 77; 1965c: 80).

TRW Inc. was formed in 1958 by the partnership of Cleveland-based Thompson Products and the Ramo-Wooldridge Corporation. Founded in 1901, Thompson Products initially gained notoriety as an automotive and aircraft engine parts manufacturer. In the 1950s, the company was facing a decline in aircraft sales and looked to expand into the aerospace and electronics industries. The company's general manager, J. David Wright, and vice president, Horace Shepard, made an unsuccessful bid to purchase Hughes Aircraft Company. After the failed bid, two top scientist-executives from the Hughes Aircraft Company—Simon Ramo and Dean Wooldridge—elected to leave the company to form a new electronic systems company with Thompson Products. Thompson financed Ramo and Wooldridge to establish the Ramo-Wooldridge Corporation in Los Angeles. The company quickly gained a solid standing in the advanced technology business and was soon awarded the systems engineering and technical direction contracts for the Atlas, Minutemen, Titan, and Thor missile programs (Fundinguniverse.com 2020c).

By 1958, Thompson Products and Ramo-Wooldridge merged, forming Thompson-Ramo-Wooldridge Electronics. Although the companies merged, both maintained separate corporate headquarters with Wooldridge as president in Los Angeles and Wright as chairman in Cleveland. Ramo and Shepard, a former chief of production procurement for the Air Force, also played an active role in management. However, following the merger, a failed venture in semiconductors in 1961 caused tension between the Cleveland-based group and the West Coast scientists. In the first four years after the merger, profit margins dropped from more than 4 percent to an average of barely 2 percent. In 1962, Wooldridge resigned to become a professor at Caltech. Shepard took over as president of the company, and Ramo stepped in as vice president (Fundinguniverse.com 2020c).

In 1963, the company sold most of its shares in the unprofitable Bumkor-Ramo computer division to Martin Marietta. In 1964, the company sold its microwave division as well as the division responsible for producing hi-fidelity components, intercoms, and language laboratories. That same year, to shore up the company's auto parts division, Thompson-Ramo-Wooldridge Electronics purchased Ross Gear & Tool and Marlin-Rockwell, boosting the company's overall profit margin to 4 percent for the year. In 1965, the company shortened its name to TRW, Inc. By 1965, the company's investments in the aerospace and electronics industries were becoming more apparent. Aerospace and electronics sales jumped from $14 million to $200 million in ten years; however, the company's earnings still came mostly from its oldest business, auto parts (Fundinguniverse.com 2020c).

TRW continued tightening operations, purchasing United Car for $122 million and selling its one consumer business, a hi-fi manufacturer, in 1966. By the end of the year, TRW was back on track with $870 million in sales and a 4.2 percent profit margin. The company had become a conglomerate and by 1969 was operating six groups that, in turn, administered 55 divisions. TRW maintained strict management control over all operations and by the end of the decade acquired Globe Industries. In 1969, the company was awarded a contract to build a laboratory system for NASA's Viking probe to Mars. The company was charged with producing a self-contained, 33-pound black box to house complex instrument systems capable of making biological and chemical tests to detect life. The project would prove important to the company's prestige (Fundinguniverse.com 2020c).

TRW remained strong even after unsuccessful ventures into the electronic point-of-sale machines and computer-making industries. In 1983, the company had grown to $5 billion in sales spread across 47 different businesses with 300 locations in 25 countries. In 1983, Forbes called TRW one of the best-managed, most successful American companies and deemed the company "a paragon" for other conglomerates. However, growing inefficiency coupled with an over-diversification of its holdings brought the company to a low in 1985 when it lost $7 million on sales. In response, the company refocused its efforts on three main areas: automotive products, space and defense projects, and information systems and services. Staff was also reduced from 93,200 in 1985 to 73,200 in 1988. Between 1986-1989, the company experienced steady growth; however, a risky venture into the automotive airbag industry, coupled with an automotive business recession and a leveling-off in defense spending, led to a fall in sales to 3.1 percent in 1991 (Fundinguniverse.com 2020c).

***B10. Significance (continued):**

By 1994, TRW's automotive operations accounted for 63 percent of the company's total sales, a jump from 40 percent in the early 1980s. Conversely, TRW's space and defense sales dropped from 35 percent in 1992 to just 31 percent two years later. Defense operation sales to the U.S. government also fell to 28 percent, as compared to 45 percent from the late 1980s. Following 1994, the company's outlook was bleak. By that time 20 percent of the company's revenue came from airbag sales, leaving the company vulnerable to increased competition in the airbag market. The company was hit with a lawsuit brought by Talley Industries, which resulted in a $138 million judgment against TRW in 1995. Further slowdowns in its aerospace and defense divisions in 1995 led to even further turmoil. The company was eventually acquired by Northrop Grumman in 2002 (Fundinguniverse.com 2020c).

Hughes Space and Communication Company

The Hughes Space and Communications Company was located in the subject property from 1984-2000; however, the exact nature of the work performed in the building is unknown (Lombardi and Eastman 2011: 45-46). Hughes Space and Communications was formed in 1961 in El Segundo as a part of Hughes Aircraft. Initially, the company established its headquarters at the former Nash Motors plant (located at 2060 East Imperial Highway) that Hughes had purchased in 1955. Hughes Space and Communications became a leader in satellite and space technology with the launch of its first geosynchronous communications satellite, Syncom, in 1963. In 1965, the company launched Intelsat 1, the first commercial communications satellite, and the Applications Technology Satellite (ATS-1), the first geosynchronous satellite capable of meteorological observations, in 1966 (Lombardi and Eastman 2011: 45-46).

Hughes Space and Communication did not limit itself to satellite development, and in 1966, the company developed the Surveyor 1 lunar probe, which made the first fully controlled soft landing on the moon's surface. In 1978, the company manufactured the Pioneer-Venus orbiter, which performed the first extensive radar mapping of the densely clouded planet. Additionally, in the 1990s, the Hughes' Galileo probe became the first spacecraft to penetrate Jupiter's atmosphere. The Boeing Company acquired Hughes Space and Communications in October 2000, which by that time had produced nearly 300 satellites and probes (Lombardi and Eastman 2011: 45-46).

Hughes Space and Communication Company, the last of Hughes's original assets to remain independent, was purchased by The Boeing Company in 2000 (Lombardi and Eastman 2011: 45-46; Los Angeles County Recorder's Office 2017: 1-3). The building was later purchased by L&R ZAV 650 Sepulveda LLC in July 2019 (City of El Segundo 2020: 51, 341; Los Angeles County Recorder's Office 2019: 1-3)

The Boeing Company

The Boeing Company can trace its origins to 1916 when American timber merchant William E. Boeing founded Aero Products Company after he and U.S. Navy officer Conrad Westervelt developed a single-engine, two-seat seaplane, named the B&W. The company changed its name to the Boeing Airplane Company in 1917 and built "flying boats" for the Navy during World War I. Through the 1920s and 1930s, Boeing built airplanes for the U.S. military, but the company also began expanding into airmail service and designing commercial aircraft before the onset of World War II in 1939. Boeing continued its expansion in the decades following World War II, and in the 1960s and 1970s, the company established itself in the space sector, having built the Lunar Orbiters for NASA's Apollo missions and the Mariner 10 space probe in 1974-75. In 2000, Boeing purchased the Hughes Space and Communications Company and acquired one of the largest satellite development plants in the world, forming Boeing Satellite Systems, located at 2060 East Imperial Highway in El Segundo. Sometime after the purchase, Boeing leased the subject property and has had operations there since at least 2015 (EPA 2015; Lombardi and Eastman 2011: 45-46; Weiss and Amir 2020).

***B10. Significance (continued):**

Architect/Builder

Daniel L. Dworsky, AIA
Daniel Leonard Dworsky, AIA, was born in Minneapolis, Minnesota, in 1927. Dworsky lived in both Minneapolis and Sioux Falls, South Dakota, before enrolling at the University of Michigan ca. 1945. Dworsky excelled in both his architectural studies and as an All-American collegiate athlete, being named to the All-Time Rose Bowl Team for his role as a defensive captain and linebacker for Michigan's National Championship team in 1948. In 1949, Dworsky became a first-round draft pick for the Los Angeles Dons football team and played one professional season before shifting his career focus to architecture (Business Wire 2004).

Dworsky began his career in architecture in 1950, serving as an apprentice to prominent, local early modernists William Pereira, Raphael Soriano, and Charles Luckman (LAT 1988: 70, 81). He established his own practice, Dworsky & Associates, in 1953. The firm eventually grew into one of the most prominent architectural firms in California (LAT 1988: 70, 81; Business Wire 2004). Dworsky's personal design ideology draws from the "solid, resolved concepts" of influential modernists such as Le Corbusier and Marcel Breuer (LAT 1985: 175). In a 1985 interview, Dworsky indicated that he had been encouraged to experiment by such contemporary architects as Frank Gehry and Eric Owen Moss (LAT 1985: 175).

In the firm's first 14 years of existence, Dworsky & Associates completed numerous award-winning projects. This led to Dworsky's election to the American Institute of Architects (AIA) College of Fellows at age 41. In 1984, Dworsky & Associates won the Firm of the Year award from the AIA, California Council (AIACC) and, in 2001, the firm won the Presidential Design Award for its work on the U.S. Port of Entry in Calexico, California. Furthermore, in 2004, Dworsky received a Lifetime Achievement Award from the AIACC for his "outstanding contributions to the improvement of the built environment and contribution to the goals of the profession of architecture and the AIA in California" (Business Wire 2004). Dworsky merged his firm with Cannon Design in 2000. In July 2003, he officially retired from practice (AIACC 2018). Dworsky's commitment to design excellence earned him over 100 national, regional, and community awards, and he has been voted one of the top twelve most-distinguished architects in Los Angeles (Business Wire 2004).

Table 3 profiles known major projects of Daniel Dworsky, AIA and Dworsky & Associates (PCAD 2020; LAT 1961a, 1985, 1988; UM 2005).

Table 3: Major Known Works of Daniel L. Dworsky and Dworsky & Associates

Project Name	Date
Aerospace Center, El Segundo, CA	1962
University of Michigan, Crisler Arena, Ann Arbor MI	1968
University of Los Angeles, Drake Stadium, Westwood, Los Angeles, CA	1969
Angelus Plaza, Los Angeles CA	1981
Tom Bradley International Terminal, LAX, Los Angeles, CA	1984
Federal Reserve Bank of San Francisco, Branch #2, Los Angeles, CA	1985-1987
U.S. Port of Entry, Calexico, CA	1996

The Contracting Engineers Company
The Contracting Engineers Company was a general contracting company operating in Southern California between 1939-1984. The company is responsible for numerous commercial, residential, and transportation projects throughout greater Los Angeles and Orange counties (California Secretary of State 2020; LAT 1963a: 131).

***B10. Significance (continued):**

The International Style

What it commonly known as the International Style in the United States traces its origins to Europe, specifically the period immediately following the close of World War I. While American architecture continued to heavily favor eclecticism/historicism during the interwar period, French, Dutch, and German architects—Le Corbusier, Oud and Rietveld, Walter Gropius, Marcel Breuer, and Ludwig Mies van der Rohe, to name only a few—were experimenting with new architectural forms in an attempt to develop an International architecture "independent of specific materials, sites, or cultural tradition" (McAlester 2018: 620). These architects labored under the altruistic belief that a new, international architecture would dispense with the regional differences that (they felt) had contributed to and exacerbated the atrocities of World War I (McAlester 2018: 620). Of the period that spawned the modern movement—and ultimately the International Style—historian William J.R. Curtis writes, "Instead of competing in the marketplace, the frightful technical ingenuities of the great industrial nations had ended up competing on the field of battle" (Curtis 1982 [2005]: 183). This new style would draw and build upon established architectural conventions but would experiment with new and emerging materials and technologies. Above all else, the progenitors of the International Style favored functionality over ornamentation—a sentiment that is perhaps best expressed in Mies van der Rohe's aphorism, "less is more."

A nascent modern architectural movement had been forming in the United States during the late nineteenth century promulgated by such architects as Louis Sullivan and Frank Lloyd Wright. Wright, specifically, appealed to European architects seeking to develop an international, universal architectural language. Wright had "inherited the confusions of the 'historical styles' and drawn lessons from diverse cultures as well as uniquely American influences, to formulate a grammar of design which far transcended his local situation" (Curtis 1982 [2005]: 129). Wright's ideas, having found their way to Europe prior to World War I via drawings, photographs, international travelers, and the *Wasmuth Volumes*, "encourage[d] a range of emergent theories and ideals in the general quest for a modern architecture" (Curtis 1982 [2005]: 129). These ideas about modern architecture returned to the United States following World War I, brought by such immigrant architects as William Lescaze, Rudolf Schindler, and Richard Neutra, all of whom established noteworthy practices in the 1920s (McAlester 2018: 620). However, it was not until the early 1930s that European modernism became widely acknowledged in the United States.

In 1932, the New York City Metropolitan Museum of Art (MoMA) curated the first international exhibition on modern architecture, introducing the form and aesthetic vocabulary to the American public. It was during this exhibition that the moniker "International Style" was coined. Russel Hitchcock and Philip Johnson's aptly titled book *The International Style: Architecture Since 1922* accompanied the exhibition and served to further solidify the precepts of the modern movement in American architectural discourse. Whereas the MoMA exhibition and Hitchcock and Johnson's book did much to further the ideals of the modern movement, the emigration of such elite modern architects as Walter Gropius (1934), Mies van der Rohe (1937), and Marcel Breuer (1937) ultimately bolstered the International Style as one of the leading architectural movements of the mid-to-late twentieth century. The role of Gropius and the Bauhaus in developing the International Style cannot be underestimated. The Bauhaus, a German art school founded by Gropius in 1919, espoused the virtues of combining the principles of mass production, everyday function, and aesthetics. Of the school, Gropius wrote, "The Bauhaus believes the machine to be our modern medium of design and seeks to come to terms with it" (Curtis 1982 [2005]: 193). Marcel Breuer, to whom Gropius was a mentor, was among the first students to attend the Bauhaus. Mies van der Rohe assumed leadership of the Bauhaus in 1930. Shortly thereafter, however, the school came under attack as Nazi leaders depicted it as a center for communist intellectualism and declared its teachings to be "degenerate." The school was closed by its own leadership in 1933.

The ideas of Europe's displaced modernists were welcomed in the United States. In 1934, Gropius became the dean of Harvard's Graduate School of Design. In 1937, Mies van der Rohe was offered the position of dean of the Architecture Department at Illinois Institute of Technology. These positions provided the platform from which Gropius and Mies could disseminate their ideas and theories to a generation of young American architectural students, helping to usher out the precepts of historicist design and promote modernism in the architectural education (McAlester 2018: 620-621).

In practice, the fundamental differences between the International Style and earlier styles are the use of modern lightweight materials cladding equally lightweight structural skeletons, leaving unadorned walls with the sole function of enclosing a volume or space. This allowed for flexibility in the configuration of space, fenestration, and the use of the building mass itself as a three-dimensional composition, as opposed to relying upon the use of applied ornamentation (McAlester 2018: 617).

International Style: Character-Defining Features

- Flat roof, usually without coping at the roof line
- Horizontal bands of flush-mounted windows
- Expressed structural system in steel and concrete
- Lack or absence of applied ornamentation
- Unified wall cladding, generally white stucco
- Commonly asymmetrical

***B10. Significance (continued):**

Historical Integrity
The subject property is a modest example of the International Style as executed in a mid-twentieth-century office building context. It displays several hallmark character-defining features, including a flat roof without coping, an expressed structural system in steel and concrete, lack of applied ornamentation, and unified wall-cladding. However, numerous alterations over its 58-year history have detrimentally impacted its overall integrity and its ability to convey significance.

The subject property was evaluated considering the seven aspects of integrity as defined by the Secretary of the Interior in National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation (National Park Service 1997).

As an individual resource, the subject property retains **low integrity.**

Location: The subject property retains **high integrity of location** as it has not been moved from its original location.

Design: The subject property retains **low integrity of design**. Since its period of significance, the building has undergone numerous alterations that have significantly and detrimentally altered the historic design intent of the building. Included in these alterations are the enclosure of the ground floor with concrete block and granite slabs, the relocation of the main entrance, the recladding of the building in an EIFS system, the removal of sunscreens from the west (front) façade, the enclosure of historically open green space on floors two through seven, the demolition and reconstruction of interior spatial configuration, the construction of incongruous balconies on the east (rear) façade, and the alteration of the roofline with the construction of a microwave penthouse.

Setting: The subject property retains **moderately low integrity of setting.** As one of the earlier buildings to be constructed along this segment of Pacific Coast Highway (Sepulveda Boulevard), the setting has changed considerably since the building's construction. These changes include the widening of Pacific Coast Highway (Sepulveda Boulevard).

Materials and Workmanship: The subject property retains **low integrity of materials and workmanship**. The alterations that have been performed since the building's initial construction are incongruous with the materials and caliber of workmanship apparent in the building historically.

Feeling: The subject property retains **low integrity of feeling**. The building's overall low- to moderately low integrity of design, setting, materials, and workmanship contribute to its inability to satisfactorily convey the associative qualities of its particular place in time.

Association: The subject property retains **high integrity of association.** The building, even in its substantially altered state, continues to serve in its historically intended capacity as a corporate office building serving the specific needs of the aerospace industry.

California Register Evaluations
Criterion 1 – The subject property was constructed in 1962 as a commercial building serving the emergent needs of the aerospace and defense industries. Although the building housed industry leaders in the aerospace and defense industries, the type of work and/or products developed in this building are unknown. To be considered eligible for listing under Criterion 1, the subject property must be associated with an event important to history. However, research failed to conclusively link the building with any of these inventions, and a property cannot be eligible if its historical associations are speculative. Therefore, the subject property does not appear eligible for inclusion in the California Register under Criterion 1 because it does not appear to be associated with an event that has made a significant contribution to the broad patterns of history at the local, state, or national level.

Criterion 2 – Research failed to identify information regarding significant individuals associated with the subject property. The building does not appear to be associated with persons significant in our past and does not appear eligible for listing in the California Register under Criterion 2.

Criterion 3 – The subject property was constructed in 1962 and is a modest example of International-Style architecture. However, it is not comparable to other local properties that represent excellent examples of the style. Furthermore, although the building was designed by Daniel L. Dworsky, an accomplished and renowned California architect, the building is not the best representative example of his work. Additionally, the building's numerous extensive alterations severely impact its historic integrity. Therefore, the subject property does not display a distinctive type, period, or method of construction and is not a superior example of the International Style. The building is therefore not eligible under California Register Criterion 3.

Criterion 4 – The subject property is not likely to yield valuable information that will contribute to our understanding of human history because the property is not—nor was it ever—the principal source of important information pertaining to subjects like mid-twentieth-century commercial architecture. Therefore, the property does not appear eligible for listing in the California Register under Criterion 4.

***B10. Significance (continued):**

In conclusion, the building at 650 North Pacific Coast Highway does not appear to be eligible for listing in the California Register under any applicable criteria. The property was evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and it is not a historical resource for the purposes of CEQA.

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P5a. Photographs:

Photograph 6: View of former entrance on the western façade of the building located at 650 North Pacific Coast Highway, facing northeast. Taken May 1, 2020.

Photograph 7: View of eastern façade of the building located at 650 North Pacific Coast Highway, facing west. Taken May 1, 2020.

P5a. Photographs (continued):

Photograph 8: View of the building located at 650 North Pacific Coast Highway, facing southeast. Taken May 1, 2020.

P5a. Photographs (continued):

Photograph 9: View of the parking lot portal entrance facing west. Taken May 1, 2020.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** 700 North Pacific Coast Highway

P1. Other Identifier: X

*P2. **Location:** ☒ **Not for Publication**

- ***a. County** Los Angeles
- ***b. USGS 7.5' Quad** Venice, California **Date** 1958 **T** 3S; **R** 14W; S.B.B.M
- c. Address 700 North Pacific Coast Highway City El Segundo Zip 90245
- d. UTM: Zone 11S, 371018 mE/ 3754788 mN
- e. Other Locational Data: 4138-006-005

***P3a. Description:**

Known as Building S38, the subject property is sited at 700 North Pacific Coast Highway, El Segundo, CA 90245 (alternate address: 700 North Sepulveda Boulevard, El Segundo, CA 90245). The building is separated from North Pacific Coast Highway by a flat, asphalt-paved parking lot. Building S38 is rectangular in plan, measuring approximately 325 feet by 160 feet. It is divided into two sections: a two-story section to the west and a one-story section to the east. The surrounding terrain slopes away from North Pacific Coast Highway such that the building appears to be only one story in height along its west (front) façade. The building is of steel frame construction and rises from a concrete slab foundation. The western section possesses a flat roof surrounded by a low parapet wall. The roof is clad in modern synthetics. The eastern section possesses a flat roof with a hipped perimeter, clad in both rolled asphalt and modern synthetics. The roof of the eastern section does not possess a parapet wall. The building is clad in concrete, pressed brick (running bond and stacked bond), and sandstone. Stylistically, it is utilitarian; however, the west (front) façade exhibits a restrained Corporate Modern aesthetic. The west (front) façade measures six bays in width. Reading the façade from left to right (north to south), bays one, two, three, five, and six are divided by cast concrete fins. They are infilled with pressed brick, laid in a stacked bond pattern. Bay four recedes into the building, creating a raised concrete porch with a metal pipe railing. The porch is accessed by a flight of reinforced concrete stairs. Bay four is clad in cyclopean rubble sandstone. Whereas a metal slab pedestrian door is present (off-center) within the bay, evidence of infill and alteration to the sandstone cladding suggests that this once served as the building's primary entrance. At present, the building is accessed via a door on the north (side) façade. This door is reached via a stair and accessibility ramp.

***P3b. Resource Attributes:** HP6. 1-3 Story Commercial Building

***P4. Resources Present:** ☒ Building

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)

P5b. Description of Photo:
Photo 1. View of the northern and western facades of the building located at 700 North Pacific Coast Highway, facing northwest. Taken October 2019.

P6. Date Constructed/Age and Source: ☒ Historic
1957 (LACDPW 2020)

***P7. Owner and Address:**
L&R Zac 650 Sepulveda LLC
8445 Santa Monica Boulevard, Suite 5
West Hollywood, CA 90069

***P8. Recorded by:**
Chris Wendt/Justin Greenawalt
Michael Baker International
2729 Prospect Park Drive, #220
Rancho Cordova, CA 95670

***P9. Date Recorded:**
October 21, 2020

***P10. Survey Type:** Intensive

***P11. Report Citation:** Hearth, Nicholas and Chris Wendt. 2020. "Cultural Resources Identification Memo for the 650-700 Pacific Coast Highway Project, Los Angeles County, California." Ontario, CA: Michael Baker International.

***Attachments:** ☒Location Map ☒Continuation Sheet ☒Building, Structure, and Object Record

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z
***Resource Name or #** 700 North Pacific Coast Highway

B1. Historic Name: The Rabin Company/The Rabin-Winters Corporation
B2. Common Name: Boeing
B3. Original Use: Commercial/Manufacturing
B4. Present Use: Commercial
***B5. Architectural Style:** Corporate Modernism
***B6. Construction History:**

Originally designed to house the manufacturing facility, laboratory, and corporate offices of the Rabin Company, manufacturers and purveyors of drugs and pharmaceutical supplies, construction of Building S38 began in early 1958 (LAT 1958: 9). The building was designed by architect Ted Jaehn of Los Angeles and built by the Contracting Engineers Company (LAT 1958: 9). The building's reported cost of construction exceeded $600,000.00 (LAT 1958: 9). A review of Los Angeles County Department of Public Works (LACDPW) building permits does not reveal substantial, document alterations to the building. However, field observation indicates that the building's historical entrance has been altered and relocated. The historical entrance, located within bay four of the building's west (front) façade, has been infilled. The entrance has been relocated to the north façade. A stair and accessibility ramp have been constructed to access the new entrance.

***B7. Moved?** ☒**No** ☐**Yes** ☐**Unknown** **Date:** N/A **Original Location:** N/A
***B8. Related Features:** N/A
***B9.** a. Architect: Ted Jaehn b. Builder: Contracting Engineers Company
***B10. Significance:**
Theme: Commercial Development **Area:** El Segundo
Period of Significance: 1958-ca. 1969 **Property Type:** Commercial Office Building **Applicable Criteria** N/A

Historic Context

Incorporated as a city on January 18, 1917, the industrial history of El Segundo is reflected in its name. Translating to "the second" in Spanish, the name El Segundo reflects the city's role in the region's oil industry. In 1911, Standard Oil Company located its second West Coast oil refinery in what would become present-day El Segundo. Throughout the 1910s and 1920s, the refinement of oil and the production of petroleum products remained central to the region's economy. However, in 1927, Mines Field opened a short distance north of the subject property.

Later known as the Los Angeles Municipal Airport—eventually growing into Los Angeles International Airport (LAX)—Mines Field was the first municipal airport serving the greater Los Angeles area. The siting of the airport to the immediate north of El Segundo had a profound effect on the local and regional economies, driving the diversification of businesses. This ultimately resulted in an eclipse of the oil industry's prominence. During the 1940s and 1950s, several aviation and defense contractors relocated to El Segundo, citing proximity to the airport. Among these companies were Douglas and Hughes Aircraft, Northrop (later Northrop Grumman), and North American Aviation (later Rockwell) (El Segundo Chamber of Commerce 2020; Harper and Smith 2008: 18). The establishment of the Los Angeles Air Force Base in the 1960s further bolstered the region's economic fortune (Harper and Smith 2008: 18-19). Growth and diversification of El Segundo continued beyond the 1950s and 1960s with aviation industry leaders like Boeing, Lockheed Martin, and Raytheon choosing to locate within the city. However, the diversification of businesses during the mid-twentieth century was not limited to companies specializing in aviation and aeronautics.

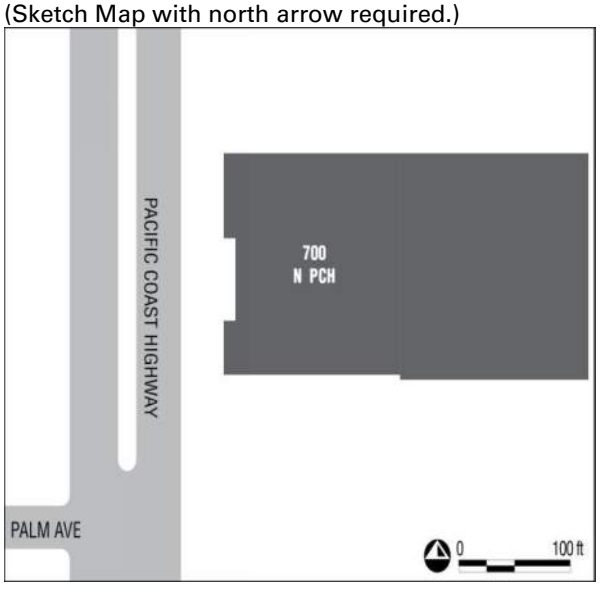
***B11.** Additional Resource Attributes: N/A
***B12.** References: See continuation sheet.
***B13.** Remarks: N/A
***B14.** Evaluator:

Chris Wendt/Justin Greenawalt, Architectural Historians
Michael Baker International
2729 Prospect Park Drive, #220
Rancho Cordova, CA 95670

***Date of Evaluation:** October 21, 2020

(This space reserved for official comments.)

(Sketch Map with north arrow required.)

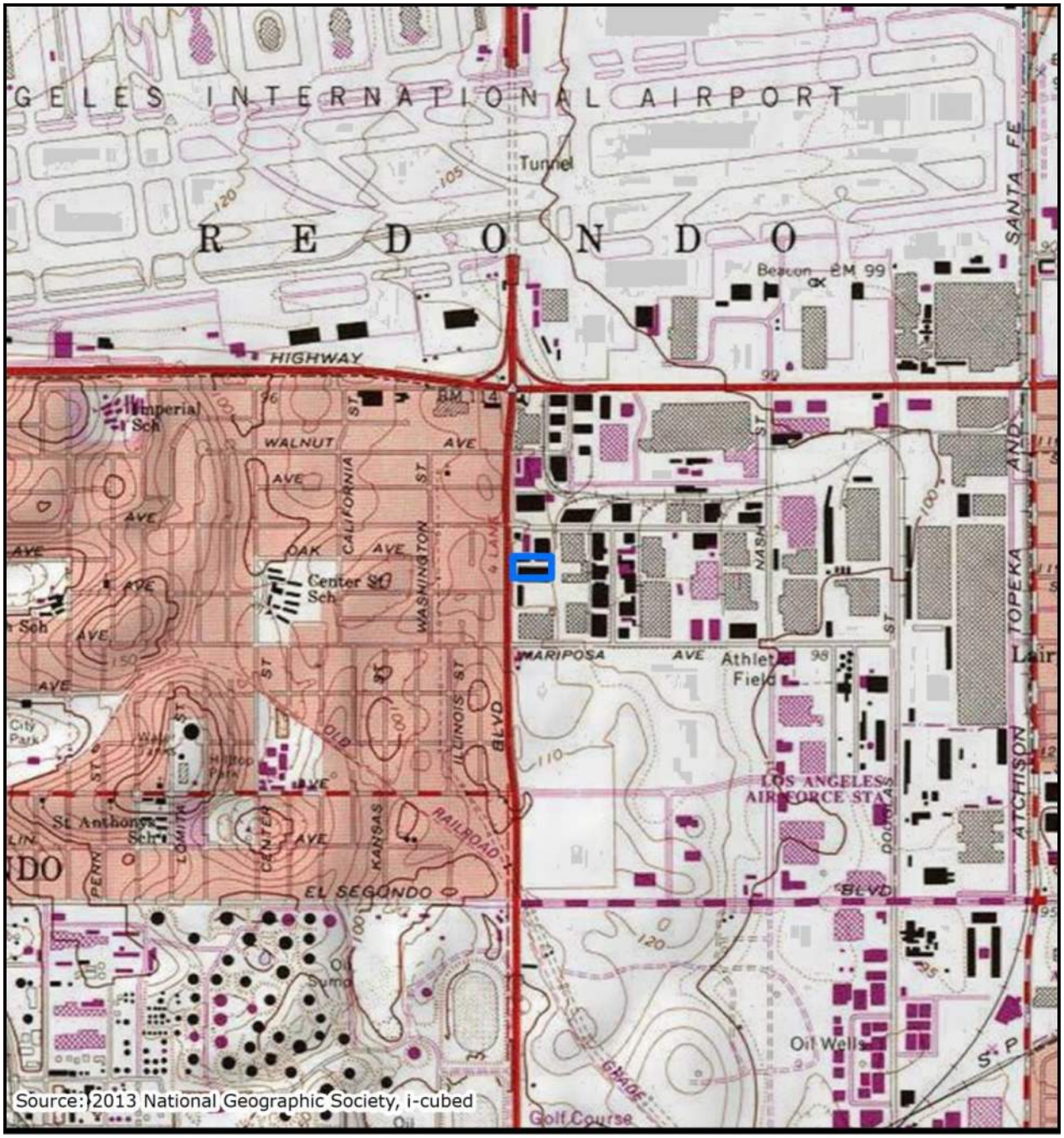


State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

Page 3 **of** 10 ***Resource Name or #** 700 North Pacific Coast Highway
***Map Name:** Venice, Calif and Inglewood, Calif ***Scale:** 1:24,000 ***Date of map:** January 6th, 2020



0 1,000 2,000 Feet

700 N Pacific Highway
Resource Location Map

Michael Baker INTERNATIONAL

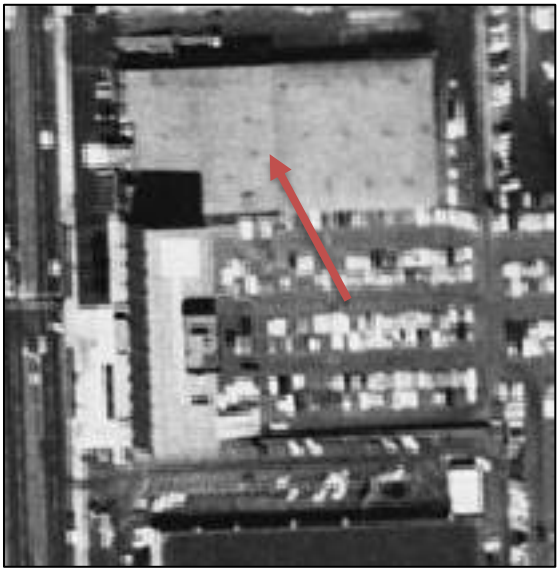
***B10. Significance (continued):**

North Sepulveda/North Pacific Coast Highway Development
In 1962, the El Segundo Chamber of Commerce dubbed the stretch of Sepulveda Boulevard running through the city as the "International Mile." Drawing inspiration for the name from nearby LAX, the "International Mile" included what was, at the time, the tallest building in the South Bay area: the eight-story Aerospace Center at 650 North Sepulveda Boulevard (now 650 North Pacific Coast Highway).

Although the moniker "International Mile" did not endure, development continued along Sepulveda Boulevard well into the late twentieth century. In 1963, the area between East Mariposa Avenue and East El Segundo Boulevard remained undeveloped. However, by 1980, the "International Mile" corridor between Imperial Highway and East El Segundo Boulevard had been fully developed with multi-story hotel and commercial office buildings, which altered the streetscape. (Brighton 2014; El Segundo Chamber of Commerce 2017: 30-36; LAT 1962: 154)

Property Specific Research
In 1957, the Rabin Company (later the Rabin-Winter Corporation) acquired a vacant parcel on North Sepulveda Boulevard and filed a building permit with LACDPW to construct the subject property (UCSB 1952, 1965; LACDPW 2020). Construction began in 1958. The Rabin Company relocated from its previous location at 4800 Dekalb Avenue in Vernon, California (LAT 1958: 9). The Rabin Company specialized in the manufacture and distribution of drugs and other pharmaceutical products. A.H. Rabin, president of the Rabin Company, enlisted Los Angeles architect and structural engineer Ted Jaehn to design its new plant and corporate offices (LAT 1958: 9). The Rabin Company occupied the building until ca. 1969 (LAT 1969: 354).

Further research failed to identify the type of work, products produced, or any additional information regarding the Rabin Company formerly located at 700 North Pacific Coast Highway (CDNC 2020; El Segundo Chamber of Commerce 2017).



Photograph 2 (left): 1952 aerial photograph depicting the property at 700 North Pacific Coast Highway, vacant (UCSB 1952).
Photograph 3 (right): 1965 aerial photograph depicting extant building at 700 North Pacific Coast Highway (UCSB 1965).

***B10. Significance (continued):**

Corporate Occupancy, 1958 to Present

Table 1 identifies known businesses located on the property based on available business research (EPA 2015; LAT 1958: 9, 1969: 354; News Pilot 1981: 35; Redondo Reflex 1973: 36; The Daily Breeze 1979: 56; SF Chronicle 1978: 47)

Table 1: Corporate Occupancy

Date	Address	Business
1958-1970	700 North Sepulveda Boulevard	The Rabin Company (aka Rabin-Winters Corporation)
1970-1973	700 North Sepulveda Boulevard	BBC Laboratories
1978	700 North Sepulveda Boulevard	Biogenetic Laboratories
1979-1981	700 North Sepulveda Boulevard	Delvin Pharmaceuticals
2015-Present	700 North Sepulveda Boulevard	The Boeing Company

The Boeing Company
The Boeing Company can trace its origins to 1916 when American timber merchant William E. Boeing founded Aero Products Company after he and U.S. Navy officer Conrad Westervelt developed a single-engine, two-seat seaplane, named the B&W. The company changed its name to the Boeing Airplane Company in 1917 and built "flying boats" for the Navy during World War I. Through the 1920s and 1930s, Boeing built airplanes for the U.S. military, but the company also began expanding into airmail service and designing commercial aircraft before the onset of World War II in 1939. Boeing continued its expansion in the decades following World War II and in the 1960s and 1970s, the company established itself in the space sector, having built the Lunar Orbiters for NASA's Apollo missions and the Mariner 10 space probe in 1974-75 (Lombardi and Eastman 2011: 45-46; Weiss and Amir 2020).

In 2000, Boeing purchased the Hughes Space and Communications Company and acquired one of the largest satellite development plants in the world, forming Boeing Satellite Systems, located at 2060 East Imperial Highway in El Segundo. Sometime after the purchase, Boeing leased the building at 700 North Pacific Coast Highway; it has performed operations out of that location since at least 2015 (EPA 2015; Lombardi and Eastman 2011: 45-46; Weiss and Amir 2020).

Further research failed to identify additional information regarding the abovementioned businesses formerly located at 700 North Pacific Coast Highway (Ancestry.com 2020; CDNC 2020; Fundinguniverse.com 2020; Newspapers.com 2020; El Segundo Chamber of Commerce 2017).

Architect/Builder
The subject property is attributed to Los Angeles architect and structural engineer Ted Jaehn (LAT 1958:9). Further research failed to identify additional information regarding Jaehn's work (Ancestry.com 2020; CDNC 2020; PCAD 2020; Newspapers.com 2020).

Architectural Style: Corporate Modernism (ca. 1955-1975)
Corporate Modernism—a subtype of the larger mid-twentieth century Modern Movement—is often broadly applicable to large-scale civic or corporate developments. This subtype is characterized by the heavy influence of aesthetic and architectural principles espoused by such twentieth century architects and architectural firms as Mies van der Rohe, Philip Johnson, and Skidmore, Owings and Merrill. Specifically, the design ideology of Corporate Modernism centers on the expression of structure applied as a module, either in steel or concrete. The entire composition often repeats patterns of steel and glass, often with virtually no ornamentation aside from advertising. The overall lack of applied ornamentation is a fundamental design principle: the structure and its material serve as both form and ornament (Whiffen and Koeper 1990: 357).

Corporate Modernism: Character-Defining Features

- Large rectangular massing
- Flat or low-pitched roofs
- Steel or concrete structure as primary expression of the building
- Horizontal bands of windows set within the structural module
- Alternate design of large concrete volume with little or no fenestration
- Building tower set back from the street in a landscaped plaza
- Tower frequently set atop a multi-story base framed by plain concrete or steel columns
- Overall absence of applied ornamentation, with the exception of corporate advertisement signs mounted directly to building

***B10. Significance (continued):**

Historical Integrity
The building located at 700 North Pacific Coast Highway is a minor example of the Corporate Modern Style and displays character-defining features of the style including an expressed structural system in steel and concrete, lack of applied ornamentation, and large rectangular massing. It was designed by structural engineer and architect Ted Jaehn; however, Jaehn does not appear to have gained particular significance during his tenure because he is not listed in the Pacific Coast Architecture Database of significant architects and architectural firms, nor was he identified in electronic database searches (PCAD 2020).

California Register Evaluations
Criterion 1 – The building located at 700 North Pacific Coast Highway was constructed in 1958, apparently as the new headquarters for the Rabin Company. It operated as the Rabin Company's headquarters until 1970 Since 1970, several pharmaceutical laboratories were located in the building. Finally, the Boeing Company utilizes the building as part of its satellite systems division. It does not appear that any of the aforementioned businesses were significant at a local level, within the community of El Segundo.

To be considered eligible for listing under Criterion 1, 700 North Pacific Coast Highway must be associated with an event important to history. However, research failed to conclusively link the building with any significant events or inventions, and a property cannot be eligible if its historical associations are speculative. As such, the resource does not appear to be associated with a significant event or theme in local, state, or national history and does not appear to be eligible for listing in the California Register under Criterion 1.

Criterion 2 – Research failed to identify information regarding significant individuals associated with the property. Therefore, the property does not appear associated with persons significant in our past and does not appear eligible for listing in the California Register under Criterion 2.

Criterion 3 – The building at 700 North Pacific Coast Highway is a minor example of Corporate Modernism and is not comparable to local resources that represent excellent examples of the style. Furthermore, 700 North Pacific Coast Highway is not known to represent the work of a master. Therefore, the building at 700 North Pacific Coast Highway does not display a distinctive type, period, or method of construction; does not represent the work of a master engineer or designer; and is not a superior example of an architectural style. The building is not eligible under California Register Criterion 3.

Criterion 4 – The property is not likely to yield valuable information which will contribute to our understanding of human history. The property is not and never was the principal source of important information pertaining to subjects such as mid-twentieth century commercial architecture. Therefore, the property does not appear eligible for listing in the California Register under Criterion 4.

In conclusion, 700 North Pacific Coast Highway appears to be ineligible for listing in the California Register under Criteria 1, 2, 3, and 4 because it lacks association with a historic context. Additionally, the resource was evaluated in accordance with Section 15064.5(a)(2)–(3) of the CEQA Guidelines using the criteria outlined in Section 5024.1 of the California Public Resources Code, and it is not a historical resource for the purposes of CEQA.

***B12. References:**

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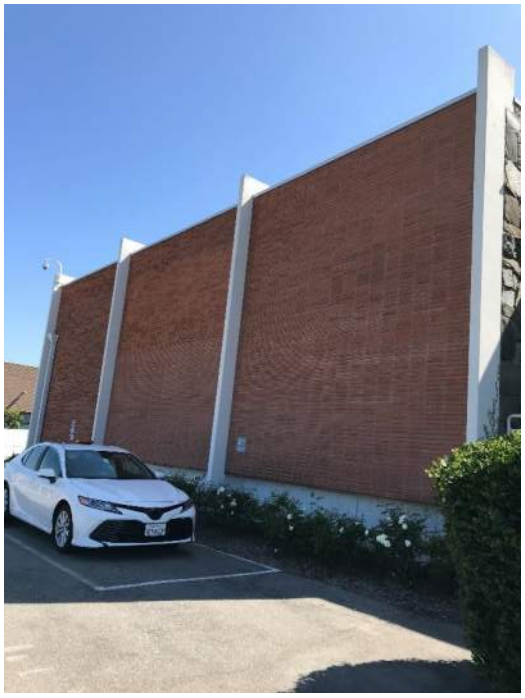
P5a. Photographs:


Photograph 4. View of the west façade facing northeast. Taken May 1, 2020.

Photograph 5. View of the west façade facing south. Taken May 1, 2020.

P5a. Photographs (continued):

Photograph 6. View of the north façade facing southwest. Taken May 1, 2020.

Photograph 7. View of the east and north facades facing east. Taken May 1, 2020.

P5a. Photographs (continued):

Photograph 8. View of the east façade facing southwest. Taken May 1, 2020.

Photograph 9. View of the south façade facing northwest. Taken May 1, 2020.

APPENDIX D
Geotechnical Report

Proposed Commercial Structure Preliminary Geotechnical Investigation Report

Prepared for:
L&R ZAV 650 Sepulveda, LLC
8445 Santa Monica Boulevard,
Suite 5
West Hollywood, California 90069

Prepared by:
Stantec Consulting Services Inc.
735 East Carnegie Drive, Suite 280
San Bernardino, CA 92408

Project No. 185804814

June 27, 2020

Stantec Consulting Services Inc.
735 East Carnegie Drive, Suite 280
San Bernardino, California 92408

June 27, 2020

Mr. Zach Vela
L&R ZAV 650 Sepulveda, LLC
8445 Santa Monica Boulevard, Suite 5
West Hollywood, California 90069

RE: **PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT**
Proposed Commercial Building
650-700 North Pacific Coast Highway
El Segundo, California 90245

Dear Mr. Vela:

This letter transmits Stantec Consulting Services Inc.'s (Stantec's) preliminary geotechnical investigation report for the proposed commercial office and parking structure building located at 650-700 North Pacific Coast Highway, in the City of El Segundo, California. The purpose of this report is to evaluate the subsurface conditions and provide preliminary geotechnical recommendations for the proposed development. Final geotechnical recommendations will be necessary once the final layout of the facility and final structural loads have been established.

We appreciate the opportunity to work with you on this project. If you have any questions, please call us at the numbers below.

Respectfully submitted,

STANTEC CONSULTING SERVICES INC.

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1. INTRODUCTION

This report presents the results of Stantec's preliminary geotechnical investigation for the proposed office and parking structure building at 650 -700 North Pacific Coast Highway, in El Segundo, California (the Site). The project location is shown on the Site Location Map, Figure 1 and the approximate area of the proposed development is shown on the Site Vicinity Map, Figure 2.

1.1 PROPOSED DEVELOPMENT

We understand that the proposed office and parking structure building will include construction of a 62,426 square feet (sf) seven-story building and associated pavement and landscape areas in the proposed development. The existing eight-story 120,713 sf steel building and combined single story and two-story brick buildings totaling 73,517 sf will remain. The Site is approximately 7.2 acres in size and is currently at the proposed rough grade elevation. The approximate area of the proposed structural improvements is included on the Subsurface Exploration Map, Figure 3.

1.2 PURPOSE AND SCOPE OF WORK

1.2.1 Purpose

The purpose of this report is to evaluate the subsurface conditions at the Site and provide geotechnical recommendations for design and construction of the proposed project. This report has been prepared in general accordance with accepted geotechnical engineering principles and in general conformance with the approved proposal.

1.2.2 Scope of Work

Our scope of work consisted of the following:

- Review available subsurface information for the Site and nearby locations,
- Perform a site reconnaissance to evaluate general geotechnical and site conditions,
- Perform a field subsurface exploration program consisting of drilling six hollow stem auger (HSA) borings, and converting three of the HSA borings into deep percolation wells,
- Perform geotechnical laboratory tests on selected samples,
- Perform geotechnical engineering analyses, and
- Preparation of this geotechnical investigation report for the proposed project.

2. FIELD INVESTIGATION

2.1 PRE-DRILLING PROCEDURES

DigAlert (Underground Service Alert of Southern California) was notified before commencing subsurface exploration activities to identify underground utilities that could conflict with the proposed borings. In addition, a private utility locator was retained, and the upper five feet were hand augered to clear the boring locations for potential conflicts with underground utilities.

2.2 DRILLING OPERATIONS

Six test borings (B1 through B3 and P1 through P3) were drilled using a CME-85 drill rig equipped with hollow-stem augers between May 28 and May 29, 2020 by ABC Liovin Drilling Co. (ABC). Soil borings were advanced to depths ranging from approximately 21.5 and 51.5 feet below the existing ground surface (bgs), and their approximate locations are shown on the Subsurface Exploration Map, Figure 3. Specifically, B1 through B3 were advanced to depths ranging from 21.5 to 31.5 feet bgs and P1 through P3 were advanced to 51.5 feet bgs. The borings were logged by a Stantec field geologist, who also collected samples of the materials encountered for examination and laboratory testing.

2.3 PERCOLATION TESTING

Three of the borings were converted to deep percolation wells (P1 through P3) and percolation testing was performed in the wells by a Stantec field geologist on June 1, 2020 in general accordance with Los Angeles County percolation testing guidelines.

2.4 SAMPLING

Relatively undisturbed samples were obtained using a modified California (CAL) sampler, which is a ring-lined split tube sampler with a 3-inch outer diameter and 2½-inch inner diameter. CAL sampling followed ASTM D3550 (Standard Practice for Ring-Lined Barrel Sampling of Soils) procedures. Disturbed samples were obtained using a Standard Penetration Test (SPT) sampler, which is a split tube sampler with a 2-inch outer diameter and 1⅜-inch inner diameter. SPTs were performed in general accordance with ASTM D1586 (Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils), and D6066 (Standard Practice for Determining the Normalized Penetration Resistance of Sands for Evaluation of Liquefaction Potential). Disturbed bulk samples were also obtained from the drill cuttings.

The CAL and SPT samplers were driven with a 140-pound weight dropping 30 inches. The number of blows per 6-inch increment is noted on the boring logs. ABC provided a report (Earthspectives, 2019) which indicates the average hammer energy efficiency on the drill rig used at the project was 80%.

Field Investigation
June 27, 2020

Samples were classified in the field using the Unified Soil Classification System (USCS), in accordance with ASTM D2488 (Standard Practice for Description and Identification of Soils [Visual-Manual Method]) procedures. The laboratory testing confirmed or modified field classifications as necessary for presentation on the boring logs. Soil samples were removed from the samplers, placed in appropriate containers, and transported in accordance with ASTM D4220 (Standard Practice for Preserving and Transporting Soil Samples). Upon completion, borings were backfilled with grout. The boring logs are included in Appendix A.

3. LABORATORY TESTING

The following laboratory tests were performed in general accordance with ASTM and California Test procedures:

Table 1. Summary of Laboratory Tests

Type of Test	ASTM Designation	Number Performed
Materials Finer than No. 200 Sieve	ASTM D1140	1
Gradation Analysis	ASTM D422 and ASTM C136	11
Atterberg Limits	ASTM D4318	1
Direct Shear	ASTM D3080	5
Chemical Tests for Corrosion Potential	CA DOT test methods	2

The laboratory test results are presented in Appendix B.

4. GEOLOGIC SETTING AND SITE CONDITIONS

4.1 REGIONAL GEOLOGY

The site is located in the northwestern portion of the Peninsular Range geologic province which consists of a series of ranges separated by northwest trending valleys, subparallel to faults branching from the San Andreas Fault. The Peninsular Ranges extend into lower California and are bound on the east by the Colorado Desert. The Site resides in the portion of the Province drained by surface runoff toward San Pedro Bay.

Geologic mapping presented in the California Geological Survey (CGS), Geologic Map of the Long Beach 30x60' Quadrangle (CGS, 2003) indicates the site is underlain by Quaternary Old Eolian Basin deposits. Literature from the CGS indicates the site is underlain by artificial fill in the western portion of the site and old eolian deposits consisting dense to very dense sand of the late to middle Pleistocene era.

4.2 SURFACE CONDITIONS

The project Site is approximately 7.2 acres in size and is currently occupied by an eight-story 128,544 sf building, one single story and one 2-story brick building totaling 78,512 sf, paved parking, and landscape areas. The existing buildings will be repurposed as office space. The project Site is bound by North Pacific Coast Highway (PCH) (aka North Sepulveda Boulevard) followed by restaurants and paved parking lots to the west, and a mix of light industrial and commercial buildings to the north, east, and south.

The Site is generally flat and slopes to the northwest to southeast. Based on Google Earth®, the ground surface of the Site is at an approximate elevation of 110 to 130 feet (WGS84 Datum).

4.3 SUBSURFACE CONDITIONS

The materials encountered in our borings consist of Old Eolian deposits (Qoe). A brief description of the subsurface conditions is provided in this section. Detailed descriptions of the subsurface conditions are provided in the boring logs included in Appendix A.

Old Eolian Deposits (Qoe) – Old Eolian deposits were encountered below the site and may extend to depths greater than 51.5 feet bgs. The Old Eolian deposits encountered at this location primarily consist of sand with variable amounts of silt and clay (SP, SW, SP-SM, SW-SC, and SM USCS soil type) and clay with variable amounts of sand (CL USCS soil type) to the maximum depth of exploration. The sandy deposits encountered were loose to very dense and generally dry to moist. The low plasticity clays were stiff and generally moist.

Groundwater - Groundwater was not encountered during this investigation. Based on groundwater data collected at an offsite location approximately 250 feet north of the site, groundwater is expected to be encountered at a depth of approximately 121 feet below the ground surface (bgs) (CRA, 2010). Groundwater levels may fluctuate in the future due to rainfall, irrigation, broken pipes, or changes in site drainage.

5. GEOLOGIC HAZARDS

5.1 FAULTING AND SURFACE FAULT RUPTURE

As in most parts of California, the Site is located in a seismically active area. The estimated closest distance from the Site to major nearby mapped active faults is presented in the table below.

Table 2. Faults in Site Vicinity

Fault	Distance (miles) [1]	Maximum Moment Magnitude [1]
Newport – Inglewood	3.5	7.5
Palos Verdes	4.9	7.7
Puente Hills (LA)	8.1	7.0
Santa Monica	8.8	7.4
Malibu Coast	10.4	7.0
Hollywood	11.0	6.7
Anacapa - Dume	11.2	7.2
Elysian Park (Upper)	13.4	6.7
Puente Hills (Santa Fe Springs)	14.7	6.7
Raymond	16.7	6.8
Verdugo	18.5	6.9
Puente Hills (Coyote Hills)	20.3	6.9
Elsinore	20.5	7.9
Sierra Madre	24.5	7.3
Northridge	26.5	6.9

[1]Measured from 2008 National Seismic Hazard Maps – Source Parameters Website - USGS (USGS, 2008).

As noted above, the closest known active fault is the Newport-Inglewood Fault, located approximately 2.7 miles northeast of the Site. No active faults are known to underlie or project toward the Site. Therefore, the probability of surface fault rupture at the Site from a known active fault is considered low.

5.2 CALIFORNIA BUILDING CODE SEISMIC CRITERIA

A geologic hazard likely to affect the project is ground-shaking as a result of movement along an active fault zone in the vicinity of the Site. The seismic parameters in accordance with the 2019 California Building Code (CBC) are presented below:

Table 3. 2019 CBC Seismic Parameters and Peak Ground Acceleration

Parameter	Value
Site Coordinates	Latitude : 33.925021° Longitude : -118.396152°

Table 3. 2019 CBC Seismic Parameters and Peak Ground Acceleration

Parameter	Value
Mapped Spectral Acceleration Value at Short Period: S_s	1.848g
Mapped Spectral Acceleration Value at 1-Second Period: S_1	0.65g
Seismic Site Classification	D
Short Period Site Coefficient: F_a	1.0
1-Second Period Site Coefficient: F_v	2.5
Site Class Adjusted Acceleration Value at Short Period: S_{MS}	1.848g
Site Class Adjusted Acceleration Value at 1-Second Period: S_{M1}	1.625g
Design Spectral Response Acceleration at Short Periods: S_{DS}	1.232g
Design Spectral Response Acceleration at 1-Second Period: S_{D1}	1.089g
Peak Ground Acceleration adjusted for Site Class Effects: PGA_M	0.875g

ASCE 7-16 – Report generated through ASCE 7 Hazards Report website (ASCE, 2020) – accessed June 22, 2020.

A site-specific ground motion hazard analysis is recommended as part of the Final Geotechnical Investigation.

5.3 LIQUEFACTION AND DYNAMIC SETTLEMENT

Liquefaction is the transformation of a deposit of soil from a solid state to a liquefied state as a consequence of increased pore pressure and reduced effective stress. Often, this transformation results from the cyclic loading of an earthquake and the soil acquires "mobility" sufficient to permit both horizontal and vertical movements. Soils that are most susceptible to liquefaction are clean, loose, saturated (below groundwater), and uniformly graded sands. The vast majority of liquefaction hazards are associated with sandy soils and silty soils of low plasticity. Cohesive soils with a plasticity index (PI) greater than 7 are generally not considered susceptible to soil liquefaction, although they can be subject to cyclic softening if they are soft enough, and if the seismic demand is relatively high.

The Site is not located in a California Geological Survey Liquefaction Hazard Zone. This zone is defined as areas where historical occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation would be required.

Given the depth to groundwater, the site is not subject to liquefaction induced settlement. However, the dry sand settlement potential was evaluated with the LiqSVs v1.3.3.1 computer program (Geologismiki, 2018) using the SPT data from soil borings P1 through P3. Liquefaction triggering methods developed by Idriss and Boulanger (2014) were used in our liquefaction evaluation. Our evaluation was based on the site class adjusted peak ground acceleration of 0.88g, as presented in Table 2, and an earthquake magnitude of 6.7, the modal earthquake magnitude from the 2014 USGS deaggregation website. The in-situ groundwater level of 121 feet bgs was used to evaluate the cyclic resistance ratio of the on-site soil, and the historical high groundwater depth of approximately 121 feet was used to evaluate the cyclic stress ratio for the design earthquake.

Loose to very dense granular soil is generally present from the ground surface to a depth of at least 26 feet at the site. Based on the denseness, most of this granular soil is generally not susceptible to seismically induced settlement. However, some of the unsaturated, loose to medium dense sand in the upper 50 feet may densify as a result of earthquake shaking, causing ground surface settlement. Ground surface total settlements due to compression in the unsaturated zone are estimated to be on the order of 1.72-inches. Differential settlement over a span of approximately 30 feet is estimated to be approximately half of the total settlement. The results of the liquefaction analyses using the LiqSVs software are provided in Appendix C - Liquefaction Analyses.

If the fundamental period (T) for the structure is greater than 0.5 seconds as determined by the project structural engineer, a site-specific ground motion hazard analysis or site response analysis may be required to determine ground motions for the proposed structures.

5.4 LIQUEFACTION-INDUCED LATERAL SPREADING

Liquefaction induced lateral spreading can occur in areas of sloping ground, or towards a free face. Given the relatively flat topography, distance to a free face, and near surface soil conditions above the water table, the potential for liquefaction-induced lateral spreading is considered low.

5.5 FLOODING, TSUNAMIS AND SEICHES

The Site is located within a FEMA flood Zone X, which is an area of minimal flood hazard (FEMA, 2008). Therefore, damage due to flooding is considered low.

The Site is not located within a Tsunami Inundation Area; therefore, damage due to tsunamis is considered low.

5.6 EXPANSIVE SOILS

The near-surface soils (upper approximate 10 feet) have a low expansion potential. Our soil classifications and laboratory test results show that the near surface (upper 10 feet) samples tested are granular with low-plasticity fines. Accordingly, mitigation for expansive soils is not considered necessary for onsite soils at this site.

If imported soils are used for earthwork, Stantec recommends that the proposed soils be tested for expansion potential prior to import. Imported soils should be approved by the Geotechnical Engineer before being imported.

6. CONCLUSIONS

Based on our field exploration, laboratory testing and engineering and geologic analyses, it is our opinion that the Site is suitable for construction of the proposed commercial building improvements from a geotechnical engineering and engineering geology viewpoint; however, there are existing geotechnical conditions associated with the Site that warrant consideration during the planning stages. The main geotechnical conclusions for the project are presented in the following paragraphs.

- No active faults are known to underlie or project toward the Site. Therefore, the probability of surface fault rupture occurring at the Site from a known active fault is considered low.

- Old Eolian deposits were encountered below the site and may extend to depths greater than 51.5 feet bgs. The Old Eolian deposits encountered at this location primarily consist of sand with variable amounts of silt and clay (SP, SW, SP-SM, SW-SC, and SM USCS soil type) and clay with variable amounts of sand (CL USCS soil type) to the maximum depth of exploration. The sandy deposits encountered were loose to very dense and generally dry to moist. The low plasticity clays were stiff and generally moist.

- Groundwater was not encountered during this investigation. Based on groundwater data collected at an offsite location approximately 250 feet north of the site, groundwater is expected to be encountered at a depth of approximately 121 feet below the ground surface (bgs) (CRA, 2010). Groundwater levels may fluctuate in the future due to rainfall, irrigation, broken pipes, or changes in site drainage.

- Loose to very dense granular soil is generally present from the ground surface to a depth of at least 26 feet at the site. Based on the denseness, most of this granular soil is generally not susceptible to seismically induced settlement. However, some of the unsaturated, loose to medium dense sand in the upper 50 feet may densify as a result of earthquake shaking, causing ground surface settlement. Ground surface total settlements due to compression in the unsaturated zone are estimated to be on the order of 1.72-inches. Differential settlement over a span of approximately 30 feet is estimated to be approximately half of the total settlement. The results of the liquefaction analyses using the LiqSVs software are provided in Appendix C - Liquefaction Analyses.

7. RECOMMENDATIONS

7.1 EARTHWORK

The following recommendations are provided regarding specific aspects of the proposed earthwork construction. These preliminary recommendations should be considered subject to revision based on Site layout, foundation loads, and additional geotechnical evaluation of the conditions observed by the Geotechnical Engineer during grading operations.

7.1.1 Site Preparation

Site preparation should begin with the removal of existing buried slabs and foundations, vegetation, highly organic soil, leach lines, septic tanks, and any other unsuitable materials, as applicable. Existing underground utilities within the proposed construction areas should be completely removed and/or rerouted. Grading should conform to the guidelines presented in the 2019 California Building Code (CBC, 2019), as well as the pertinent requirements of the City of El Segundo and Los Angeles County.

7.1.2 Remedial Grading

Building Foundations:

To provide uniform support for the proposed retaining wall, removal of the existing soils to a minimum depth of 2 feet below the bottom of the footings is recommended. The removed soils may be placed back in the excavation as compacted fill, in accordance with the recommendations of Section 7.1.3. Removal, replacement, and compaction should be completed laterally at least five feet beyond the outside edge of the footings unless constrained by existing structures.

The continuous footing along subexcavations that do not extend at least five feet beyond the outside edge of the footing should be designed as a grade beam or with sufficient rebar reinforcement to reduce the potential for differential settlement.

Retaining Wall Foundations:

To provide uniform support for the proposed retaining wall, removal of the existing soils to a minimum depth of 2 feet below the bottom of the footings is recommended. The removed soils may be placed back in the excavation as compacted fill, in accordance with the recommendations of Section 7.1.3. Removal, replacement, and compaction should be completed laterally at least five feet beyond the outside edge of the footings unless constrained by existing structures.

The continuous footing along subexcavations that do not extend at least five feet beyond the outside edge of the footing should be designed as a grade beam or with sufficient rebar reinforcement to reduce the potential for differential settlement.

Concrete Pavement and Hardscape:

Remedial grading for pavement and hardscape areas should include removal of the existing soils to a depth of at least 18 inches below the existing ground surface or subgrade elevation, whichever is deeper. Subgrade elevation is defined as the top of soil elevation provided in the grading plan. The soil exposed at the base of the excavation should be scarified to a depth of 8 inches, and moisture conditioned to within 2 percentage points of the optimum moisture content. Hardscape subgrade should be compacted to at least 90% relative compaction. Pavement subgrade should be compacted to at least 90% relative compaction.

Field Observations:

The Geotechnical Engineer should check the bottom of excavations. If soft, loose, or otherwise unsuitable soils are encountered, the depth of removal may need to be extended.

7.1.3 Fill Placement and Compaction

Excavated materials determined by the Geotechnical Engineer to be satisfactory can be reused as compacted fill. We anticipate that the majority of the excavated materials can be re-used as compacted fill soils. The Geotechnical Engineer should approve the fill material before placement.

Where large compaction equipment is used, such as sheep's foot or smooth drum compactors, fill should be placed in 6- to 8-inch thick loose, horizontal lifts, moisture conditioned to within 2 percentage points of the optimum moisture content and compacted to at least 90% relative compaction. Thinner lifts will be required for smaller compaction equipment. The maximum dry density and optimum moisture content for the evaluation of relative compaction should be determined in accordance with ASTM D1557.

7.1.4 Yielding Subgrade Conditions

The soil encountered at the bottom of the remedial grading excavations can exhibit "pumping" or yielding if they become saturated in response to periods of significant precipitation, such as during the winter rainy season. If this occurs, corrective measures should be performed with oversight from the Geotechnical Engineer.

In order to help stabilize the yielding subgrade soils within the bottom of the removal areas, the contractor can consider the placement of stabilization fabric or geo-grid over the yielding areas, depending on the relative severity of the yielding.

Mirafi 600X (or approved equivalent) stabilization fabric may be used for areas with low to moderate yielding conditions. Geo-grid such as Tensar TX-5 may be used for areas with moderate to severe yielding conditions. Uniform sized, ¾- to 2-inch crushed rock should be placed over the

stabilization fabric or geo-grid. A 6- to 12-inch thick section of crushed rock will typically be necessary to stabilize yielding ground.

If significant voids are present in the crushed gravel, a filter fabric should be placed over the crushed gravel to prevent migration of fines into the gravel and thus potential settlement of the overlying fill. Fill soils, which should be placed and compacted in accordance with the recommendations presented herein, should then be placed over the fabric or geo-grid until design grades are reached. The crushed gravel and stabilization fabric or geo-grid should extend at least 5 feet laterally beyond the limits of the yielding areas.

7.1.5 Dewatering

Groundwater was not encountered during our investigation to a maximum depth of 51.5 feet bgs. Accordingly, we do not anticipate that groundwater will be a significant consideration for this project.

7.1.6 Expansive Soil

The near-surface soils (approximately upper 10 feet) have a low expansion potential. Our soil classifications and laboratory test results show that the near surface (upper 10 feet) samples tested are granular with low-plasticity fines. Accordingly, mitigation for expansive soils is not considered necessary at this site. The grading and foundation recommendations presented in this report reflect a low expansion potential

7.1.7 Imported Material

Imported materials, if used for fill, should be predominately granular, contain no rocks or lumps greater than 3 inches in maximum dimension, and have an Expansion Index less than 20, and a Plasticity Index less than 15. Imported materials should be reviewed and approved by the Geotechnical Engineer before being brought to the Site.

7.1.8 Site Excavation Characteristics

During the recent geotechnical investigation, the soil boreholes were drilled using a truck-mounted, hollow stem auger drill rig. As the drilling was completed with moderate effort, conventional earth moving equipment should be capable of performing the excavations required for site development.

7.1.9 Oversized Material

Excavations may generate oversized material. Oversized material is defined as rocks or cemented clasts greater than 3 inches in largest dimension. Oversized material should be broken down to no greater than 3 inches in largest dimension for use in fill or be removed from the Site.

7.1.10 Temporary Excavations

The existing native soils can be considered Type C for excavation in accordance with OSHA and Cal-OSHA requirements. Temporary excavations should be shored or excavated with a slope not steeper than 1:1 (horizontal to vertical) in accordance with OSHA and Cal-OSHA requirements.

The excavations should be inspected daily by the contractor's Competent Person before personnel are allowed to enter the excavation. Any zones of potential instability, sloughing or raveling should be brought to the attention of the Geotechnical Engineer and corrective action implemented before personnel begin working in the excavation. Excavated soils should not be stockpiled behind temporary excavations within a distance equal to the depth of the excavation.

The project geotechnical engineer should be notified if other surcharge loads are anticipated so that lateral load criteria can be developed for the specific situation. If temporary slopes are to be maintained during the rainy season, berms are recommended near the tops of slopes to prevent runoff water from entering the excavation and eroding the slope faces.

7.1.11 Temporary Cantilever Shoring

Temporary excavations to depths up to approximately 10 feet bgs are anticipated for construction of the foundations. Where cantilevered shoring is used in lieu of sloping the temporary excavation sidewalls, the shoring design may be tentatively based upon an active earth pressure equal to a fluid weighing 40 pounds per cubic foot (pcf). The passive pressures above the groundwater level may be based on a fluid weighing 340 pcf.

These pressures are based on level ground conditions in front and behind the wall with no surcharge loads within 10 feet of the excavation. The earth pressures indicated above do not include a safety factor; therefore, the shoring design should include an appropriate safety factor for the overall performance of the system.

7.1.12 Braced Shoring System

For braced shoring above the groundwater level, a uniform rectangular pressure distribution should be used from top to bottom of the shoring equivalent to the following,

Bracing: 30H psf/ft

where H is the depth of the excavation, in feet.

These pressures are based on level ground conditions in front and behind the wall with no surcharge loads within 10 feet of the excavation. The earth pressures indicated above do not include a safety factor; therefore, the shoring design should include an appropriate safety factor for the overall performance of the system.

7.1.13 Pipelines

Typical pipe bedding as specified in the Standard Specifications for Public Works Construction (GREENBOOK) may be used. As a minimum, it is recommended that pipe be supported on at least 4 inches of granular bedding material, such as 3/4-inch rock or clean coarse sand with less than 5 percent fines and a sand equivalent of 40 or more as evaluated by ASTM D2419.

The bedding should extend from the bottom of the trench to at least 1 foot above the top of the pipe. Sand bedding should be mechanically compacted to at least 90 percent relative compaction. Jetting of sand bedding should not be permitted.

Onsite material, imported select material, or 2-sack cement/sand slurry may be used as backfill in trenches above the pipe bedding. The material selected should match the engineering characteristics of the soils adjacent to the trench. Utility trench backfill beneath structures and hardscape should be compacted to at least 90% relative compaction.

The modulus of soil reaction (E') is used to characterize the stiffness of soil backfill placed along the sides of buried flexible pipelines. For the purpose of evaluating deflection due to the load associated with trench backfill over the pipe, a value of 1,500 pounds per square inch (lbs/in^2) is recommended for the general site conditions assuming granular bedding material (sand or gravel) is placed around the pipe.

7.1.14 Surface Drainage

Final surface grades around structures should be designed to collect and direct surface water away from the structure and toward appropriate drainage facilities. The ground around the structure should be graded so that surface water flows rapidly away from the structure without ponding. In general, we recommend that the ground adjacent to the structure slope away at a gradient of at least 2%. Densely vegetated areas where runoff can be impaired should have a minimum gradient of at least 5% within the first 5 feet from the structure. Roof gutters with downspouts that discharge directly into a closed drainage system are recommended on structures. Drainage patterns established at the time of fine grading should be maintained throughout the life of the proposed structures. Site irrigation should be limited to the minimum necessary to sustain landscape growth. Should excessive irrigation, impaired drainage, or unusually high rainfall occur, saturated zones of perched groundwater can develop. Saturated soil zones may result in increased maintenance and could impact structure stability.

7.1.15 Grading Plan Review

Stantec should review the grading plans and earthwork specifications to ascertain whether the intent of the recommendations contained in this report have been implemented, and that no revised recommendations are needed due to changes in the development scheme.

7.2 FOUNDATIONS

7.2.1 Shallow Building Foundations

Conventional shallow foundations (spread footings/strip footings) are considered suitable for support of the proposed building provided the recommendations in this report are incorporated into the design. Ground improvement may be required and should be included if the project structural engineer determines that the settlements provided below are outside the tolerable limits for the proposed structure.

The following foundation recommendations are minimum criteria based on geotechnical considerations. They should not be considered a structural design, nor should they be considered to preclude more restrictive criteria by governing agencies or the structural engineer. The design of the foundation system should be performed by the project structural engineer.

Conventional Shallow Foundations:

An allowable bearing pressure of 6,300 pounds per square foot (psf) may be used for conventional square or rectangular shallow foundations founded in properly compacted fill prepared in accordance with the recommendations of this report. The bearing capacity can be increased by one third for transient loading conditions such as earthquake and wind.

Additional parameters for shallow foundations are provided below.

Minimum Footing Width:	24 inches for continuous footings
Maximum Footing Width:	8 feet for square/rectangular footings
Minimum Footing Depth:	7 feet below lowest adjacent soil grade
Minimum Reinforcement:	Two No. 5 bars at both top and bottom in continuous and rectangular footings

7.2.2 Mat Foundations

To accommodate loose to medium dense near surface soil conditions, we recommend the isolated building expansion areas be constructed with a stiffened foundation system in combination with a recompacted fill mat. The stiffened foundation system should consist of a rigid mat, post-tensioned slab, or a waffle foundation system tied together with grade beams.

The following foundation recommendations are minimum criteria based on geotechnical considerations. They should not be considered a structural design, nor should they be considered to preclude more restrictive criteria by governing agencies or the structural engineer. The design of the foundation system should be performed by the project structural engineer.

If a rigid mat foundation is used, the mat slab should extend at least 12 inches below the adjacent ground surface. The mat thickness should be determined by the structural engineer. The mat can be designed assuming an allowable bearing pressure of 1,500 pounds per square foot for dead plus live loads, with a one-third increase for all loads including wind or seismic. This allowable bearing pressure is a net value; therefore, the weight of the mat can be neglected for design purposes. The mat should be integrally connected to all portions of the structure, so the entire foundation system moves as a unit. The mat should be reinforced with top and bottom steel in both directions to allow the foundation to span local irregularities that may result from potential differential settlement. As a minimum, we recommend that the mat be reinforced with sufficient top and bottom steel to span as a simple beam an unsupported distance of at least 10 feet. The mat can be designed using a modulus of subgrade reaction, Kv1, of 200 pounds per cubic inch. The actual modulus of subgrade reaction would need to be adjusted for the plan dimensions of the mat.

If a waffle foundation system is used, an allowable bearing pressure of 1,500 pounds per square foot (psf) may be used for shallow spread footings with grade beams founded in properly compacted fill prepared in accordance with the recommendations of this report. The bearing capacity can be increased by one third for transient loading conditions such as earthquake and wind.

Additional parameters for shallow foundations are provided below.

Minimum Footing Width:	18 inches for continuous footings 24 inches for square/rectangular footings
Minimum Footing Depth:	18 inches below lowest adjacent soil grade
Minimum Reinforcement:	Two No. 5 bars at both top and bottom in continuous footings.

We recommend incorporating flexible utility connections to the building to accommodate the estimated total and differential settlements.

7.2.3 Foundation Settlement

The following static and seismic foundation settlements are estimated.

Static Settlement:	Less than 1-inch total settlement ½ inch differential settlement over 30 feet
Seismic Settlement:	Less than 1.7 inches total settlement 0.85 inches differential settlement over 30 feet

7.2.4 Lateral Resistance

Lateral loads will be resisted by friction between the bottoms of footings and passive pressure on the faces of footings and other structural elements below grade. An allowable coefficient of friction of 0.30 can be used.

Passive pressure can be computed using an equivalent fluid pressure of 340 lbs/ft^3 for level ground conditions. Reductions for sloping ground should be made. The upper 1 foot of soil should not be relied on for passive support unless the ground is covered with pavements or slabs. The earth pressure indicated above does not include a safety factor; therefore, the foundation design should include an appropriate safety factor for the overall performance of the system.

7.2.5 Retaining Wall Foundations

For cantilever retaining wall foundations, bearing entirely in compacted fill soils, an average allowable bearing pressure of 1,500 psf (i.e. 0 psf at the heal and 3,000 psf at the toe) may be incorporated in the design. To mitigate against potential detrimental effects of loose near surface soils the following recommendations should be incorporated into the foundation design:

1. Subgrade preparation in accordance with the recommendations in Section 7.1.3.
2. Minimum foundation embedment depth of 12 inches.
3. Design and construction of features that prevent surface water from infiltrating around the foundation including construction of hardscape extending out from the footing at least 6 feet, sloping surface and providing drainage away from the footings, and no planters or irrigation within 6 feet of the footing.
4. Weep holes or a back drain should be installed to provide positive drainage from behind wall.
5. All fill soil behind retaining wall should be non-expansive and extend at least three feet beyond the back of the wall.
6. Compaction moisture content in clay should be 2 percentage points over optimum and maintained through construction.

If the existing wall is to remain, the contractor should consider methods of soil removal that will not undermine existing footings or result in an unstable situation. The contractor may consider bracing or slot cutting for excavation and compaction near existing footings.

The following lateral earth pressures (equivalent fluid pressures with a triangular pressure distribution) may be used in the design of the cantilever retaining wall foundations, up to a wall height of 10 feet.

Active:	40H psf/ft,
Passive:	340D psf/ft,

where H is the vertical height of the wall measured from the ground surface to the heel of the footing (or base of keyway) and D is the embedment depth of the footing measured from the ground surface to the bottom of the toe in front of the retaining wall, and a coefficient of friction between the concrete footing and subsurface soils equal to 0.30. The equivalent fluid pressures

should be applied as a triangular pressure distribution and assume level backfill behind and in front of retaining wall.

The earth pressures are based on drained conditions (no hydrostatic or buoyant conditions) and the assumption that the retaining wall is vertical (no batter). For different wall geometries or loading conditions, the above lateral earth pressures will need to be reevaluated. The earth pressures indicated above do not include a safety factor, therefore the retaining wall design should include an appropriate safety factor.

For resistance to transient lateral loads, such as earthquake loads, the aforementioned allowable bearing capacity may be increased by one-third.

7.2.6 Foundation Plan Review

Stantec should review the foundation plans to ascertain that the intent of the recommendations in this report has been implemented and that revised recommendations are not necessary as a result of changes after this report was completed.

7.2.7 Foundation Excavation Observations

A representative working under direct supervision of the Geotechnical Engineer should observe the foundation excavations prior to forming or placing reinforcing steel.

7.3 SLABS-ON-GRADE

If a deep foundation system with slab-on-grade is included in the design, the top 24 inches of material below interior concrete slabs-on-grade should have an expansion index of 20 or less. The project structural engineer should design the interior concrete slabs-on-grade floor. However, we recommend a minimum thickness of 5 inches.

A vapor barrier should be placed beneath slabs where moisture sensitive floor coverings will be installed. If plastic is used, a minimum 10-mil is recommended. The plastic should comply with ASTM E1745. Installation should comply with ASTM E1643. Current construction practice typically includes placement of a 2-inch thick sand cushion between the bottom of the concrete slab and the moisture vapor retarder/barrier. This cushion can provide some protection to the vapor retarder/barrier during construction and may assist in reducing the potential for edge curling in the slab during curing. However, the sand layer also provides a source of moisture to the underside of the slab that can increase the time required to reduce vapor emissions to limits acceptable for the type of floor covering placed on top of the slab. The slab can be placed directly on the vapor retarder/barrier. The floor covering manufacturer should be contacted to determine the volume of moisture vapor allowable and any treatment needed to reduce moisture vapor emissions to acceptable limits for the particular type of floor covering installed. The project team should determine the appropriate treatment for the specific application.

In addition to the moisture vapor barrier, a capillary moisture break can be constructed below the slab to further reduce moisture transmission from the subgrade soil, if desired. The capillary moisture break should consist of at least 4-inches of clean, free-draining gravel or crushed rock placed below the moisture vapor retarder/barrier. The components of the capillary moisture break should meet the particle-size gradation presented in Table 5.

Table 4. Gradation for Capillary Moisture Break

Gradation for Capillary Moisture Break	
Sieve Size	**Percentage Passing Sieve**
1 inch	100
3/4 inch	30-75
1/2 inch	5–10
3/8 inch	0-2

7.3.1 Exterior Slabs on Grade (Sidewalks)

Exterior slabs not subject to vehicular traffic should have a minimum thickness of 4 inches and be reinforced with at least No. 3 bars at 18 inches on center each way. Slabs should be provided with crack control joints placed in accordance with the American Concrete Institute (ACI) guidelines. The project architect or civil engineer should select the final joint patterns.

7.4 SOIL CORROSIVITY

Two samples of the onsite soils were tested to provide a preliminary indication of the corrosion potential of the onsite soils. The test results are presented in Appendix B. A brief discussion of the corrosion test results is provided in the following text.

- The samples tested had soluble sulfate concentrations between 44 and 49 parts per million (ppm), which indicates the samples have a low sulfate corrosion potential relative to concrete. It should be noted that soluble sulfate in the irrigation water supply, and/or the use of fertilizer may cause the sulfate content in the surficial soils to increase with time. This may result in a higher sulfate exposure than that indicated by the test results reported herein. Studies have shown that the use of improved cements in the concrete, and a low water-cement ratio will improve the resistance of the concrete to sulfate exposure.

- The samples tested had chloride concentrations between 33 and 36 ppm, which indicates the sample has a low chloride corrosion potential relative to metal.

- The samples tested had a minimum resistivity of 9,399 to 10,101 ohm-cm, which indicates the samples are moderately corrosive.

- The samples tested had a pH ranging from 8.2 to 8.4, which indicates the samples are slightly alkaline.

Caltrans currently considers a site to be corrosive to foundation elements if one or more of the following conditions exist: Chloride concentration is greater than or equal to 500 ppm, sulfate concentration is greater than or equal to 1,500 ppm, or the pH is 5.5 or less (Caltrans, 2012).

Based on Caltrans criteria, the test results indicate the site is not considered to be a corrosive environment for concrete and steel. Other samples at the Site could yield significantly different concentrations to those described above. Therefore, additional testing may be performed to further evaluate corrosion during the planning or construction stages and to evaluate the as-graded corrosion potential of the onsite soils after site grading. We recommend evaluation by a corrosion engineer should be performed if deemed necessary.

7.5 PAVEMENT

7.5.1 Asphalt Concrete Pavement

An R-value of 25 has been assumed for preliminary design of pavement sections based on the soil classification and gradation of the on-site material in the upper 5 feet. The actual R-value of the subgrade soils should be determined after grading to provide final pavement design. Flexible pavement sections have been calculated in general conformance with Caltrans guidelines. The project civil engineer and owner should review the pavement designations to determine appropriate locations for pavement thickness. Based on an assumed R-value of 25, the following pavement structural sections have been calculated.

Table 5. Flexible Pavement Sections

Traffic Type	Traffic Index	Asphalt Concrete (inches)	Aggregate Base* (inches)
Automobile Parking	5.0	4	5
Automobile Drive Lanes	5.5	4	6
Medium Truck Traffic	6.0	4	7
Heavy Truck Traffic	7.0	5	9

*Aggregate Base should conform to Class 2 Aggregate Base in accordance with the Caltrans Standard Specifications or Crushed Miscellaneous Base in accordance with the Standard Specifications for Public Works Construction.

Prior to placing base materials, the upper 12 inches of the subgrade soil should be scarified, moisture conditioned to slightly above the optimum moisture content, and recompacted to a dry density of at least 95% of the laboratory maximum. The base material should also be compacted to slightly above the optimum moisture content and a dry density of at least 95% of the laboratory maximum. Asphalt concrete should be compacted to at least 95% of the laboratory Hveem density in accordance with ASTM D2726.

Rigid concrete pavement (described below) should be placed in driveway entrance aprons and trash bin loading/storage areas. Concrete pavement design is provided in the following section.

7.5.2 Concrete Pavement

Concrete pavements have been calculated in general conformance with the procedure recommended by the American Concrete Institute (ACI 330R-08) using the parameters presented in Table 6 and assuming a 20-year design life. The following design parameters were used in our analyses.

Table 6. Concrete Pavement Parameters

Design Parameter	Value
Modulus of Subgrade Reaction (k)	50 pci
Modulus of Concrete Rupture (M_R)	550 psi
Concrete Compressive Strength	3,700 psi
Traffic Categories (TC)	A and C
Average Daily Truck Traffic (ADTT)	10 and 100

Based on the parameters above, we recommend the following minimum concrete pavement thickness (Table 7).

Table 7. Recommended Concrete Pavement Sections

Traffic Type	Pavement Thickness (inches)	Aggregate Base (inches)
Automobile Parking and Driveways (TC = A)	6	6
Heavy Truck Traffic and Fire Lane Areas (TC = C)	8	6

The project civil engineer should confirm whether the assumed ADTT is appropriate for the anticipated traffic level. Concrete compressive strength for pavement should be at least 3,700 psi. Minimum reinforcement should consist of #3 bars on 24-inch centers. Crack control joints should be placed in accordance with the American Concrete Institute (ACI) guidelines.

Prior to placing concrete, the upper 12 inches of the subgrade soil should be scarified, moisture conditioned to slightly above the optimum moisture content, and recompacted to a dry density of at least 90% of the laboratory maximum.

7.6 PERCOLATION TESTING

Percolation testing was performed in four borings (P1 through P3) in general accordance with the guidelines described in Los Angeles County Administrative Manual (LACAM) (LA,2014).

Based on the laboratory sieve test results, the natural soils located at the bottom of the percolation well soil borings consist of sand (USCS: SP, SP-SM, SM) with variable amounts of silt. The sands were brown, dry to moist, and dense to very dense.

The percolation tests were performed in eight-inch diameter, 50-feet deep borings. Pre-soaking was performed the day of percolation testing. The stabilized percolation rate from the final tests was measured as 186 to 522 inches per hour or less than 0.3 minutes per inch which corresponds to a high percolation rate (un-factored).

Los Angeles County requirements for infiltration include converting the percolation rate to an infiltration rate (I_t) and applying a safety factor. Once the infiltration rate was calculated and a factor of safety of 4 is applied, the design infiltration rate is 12 inches per hour. Note that this infiltration rate is applicable at the locations tested. Different locations and depths may have different rates and soil compaction will reduce the infiltration rate. An appropriate factor of safety, if necessary, should be applied to the overall system design in accordance with the LA County Administrative Manual.

Soil percolation rates from in situ tests can vary significantly from one location to another due to heterogeneous characteristics of subsurface conditions. The test results from these borings should be considered a screening level value and additional testing should be performed if an on-site disposal system is to be constructed for the project. Soil compaction can decrease infiltration rates significantly. Final percolation testing should be performed in as graded conditions so that effects from soil compaction are incorporated in the test results.

7.7 POST INVESTIGATION SERVICES

Post investigation services are an important and necessary continuation of this investigation, and it is recommended that Stantec be retained as the Geotechnical Engineer to perform such services. Final project grading and foundation plans, foundation details and specifications should be reviewed by Stantec prior to construction to ascertain that the intent of the recommendations presented herein have been applied to the design. Following review of plans and specifications, observation during construction should be performed to correlate the findings of this exploration with the actual subsurface conditions exposed.

8. CLOSURE

Our conclusions, recommendations, and discussions presented herein are based upon an evaluation and interpretation of the findings from the field and laboratory programs, with interpolation and extrapolation of subsurface conditions between and beyond the exploration locations. This report contains information that is valid as of the report's date and to the extent directly known to Stantec. However, conditions can change with the passage of time or construction subsequent to this report's preparation that may invalidate, either partially or wholly, the conclusions and recommendations presented herein.

Inherent in most projects performed in the heterogeneous subsurface environment, continuing subsurface explorations and analyses may reveal conditions that are different than those described in this report. The findings and recommendations contained in this report were developed in accordance with generally accepted, current professional principles and practice ordinarily exercised, under similar circumstances, by geotechnical engineers and engineering geologists practicing in this locality. No other warranty, express or implied, is made.

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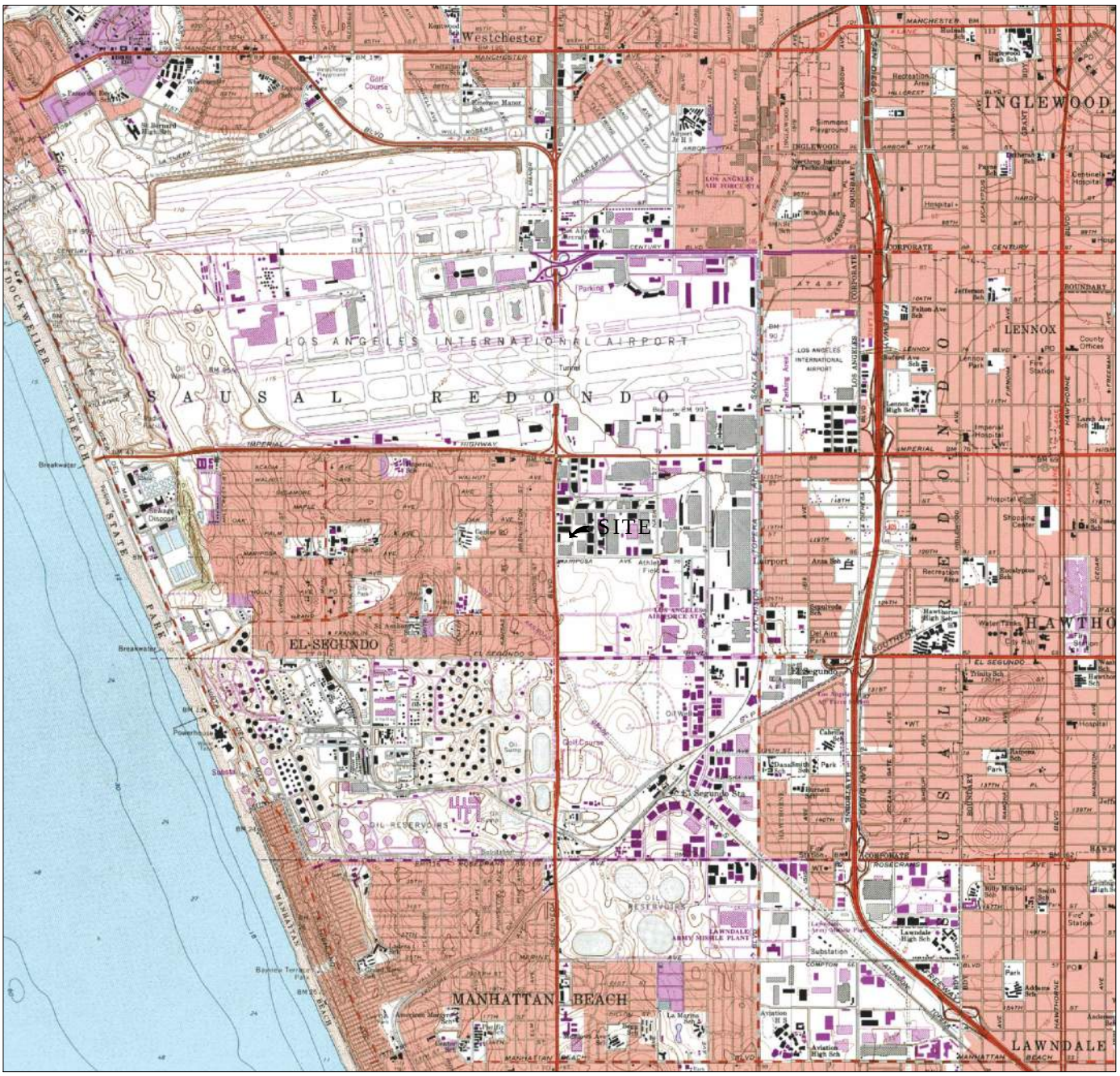
FIGURES



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SCALE IN MILE

2000 0 2000 4000 6000 8000 10000 12000 14000

SCALE IN FEET

REFERENCE: USGS 7.5 X 15 MINUTE QUADRANGLE; VENICE; 1964, PHOTO REVISED 1981.

Stantec

735 EAST CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR:
L&R ZAV 650 SEPULVEDA LLC
650 - 700 NORTH PACIFIC COAST HIGHWAY
EL SEGUNDO, CALIFORNIA 90245

SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185804814	JEF	JEF	JEF	6/15/20

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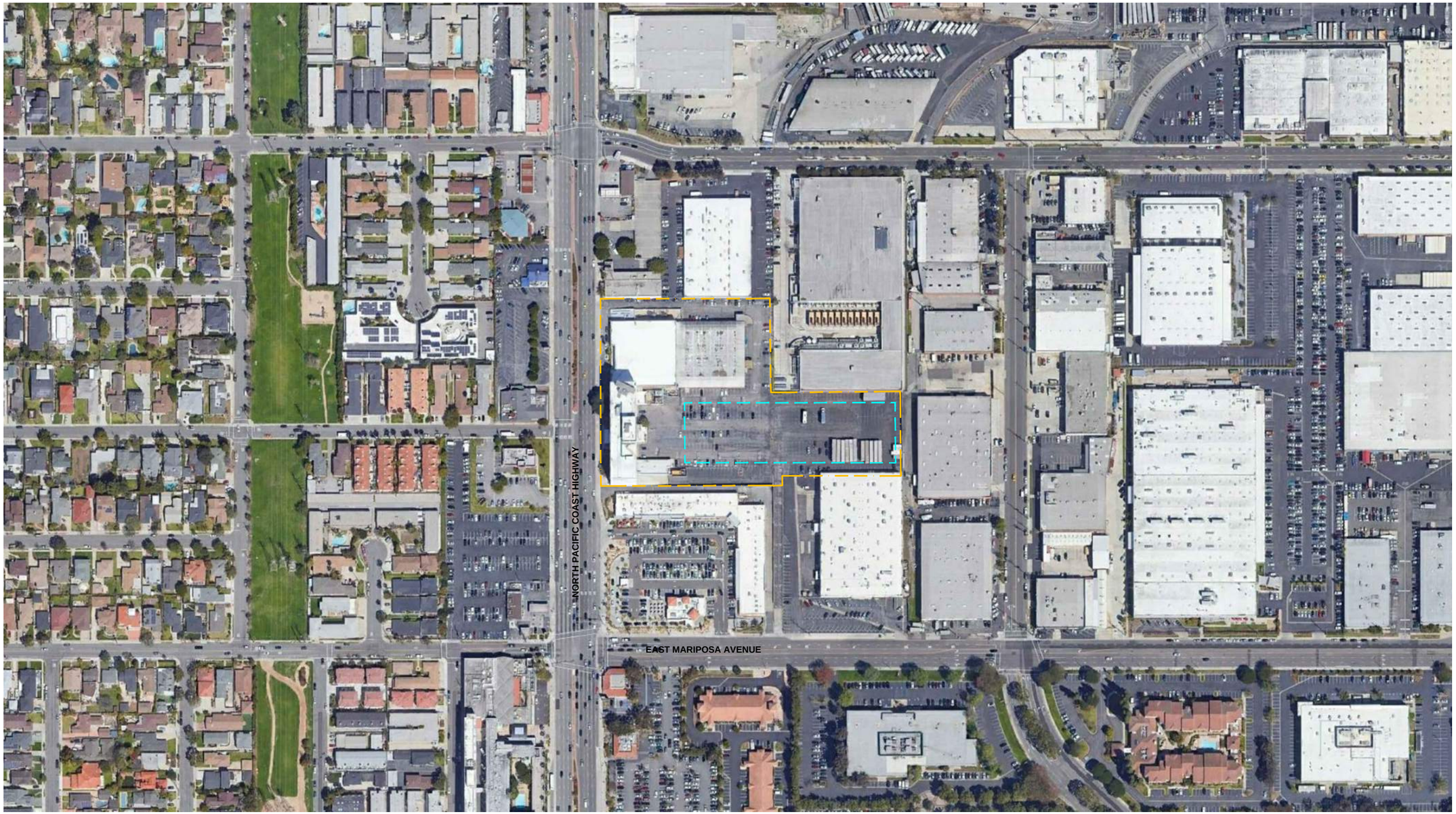

LEGEND

APPROXIMATE LIMITS OF PROPERTY

APPROXIMATE LIMITS OF PROPOSED BUILDING

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SCALE (FEET)

Stantec
735 EAST CARNEGIE DRIVE, SUITE 280
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PHONE:(909) 335-6116 FAX:(909) 335-6120

FOR:
L&R ZAV 650 SEPULVEDA LLC
650 - 700 NORTH PACIFIC COAST HIGHWAY
EL SEGUNDO, CALIFORNIA 90245

SITE VICINITY MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185804814	JEF	JEF	JEF	6/15/20

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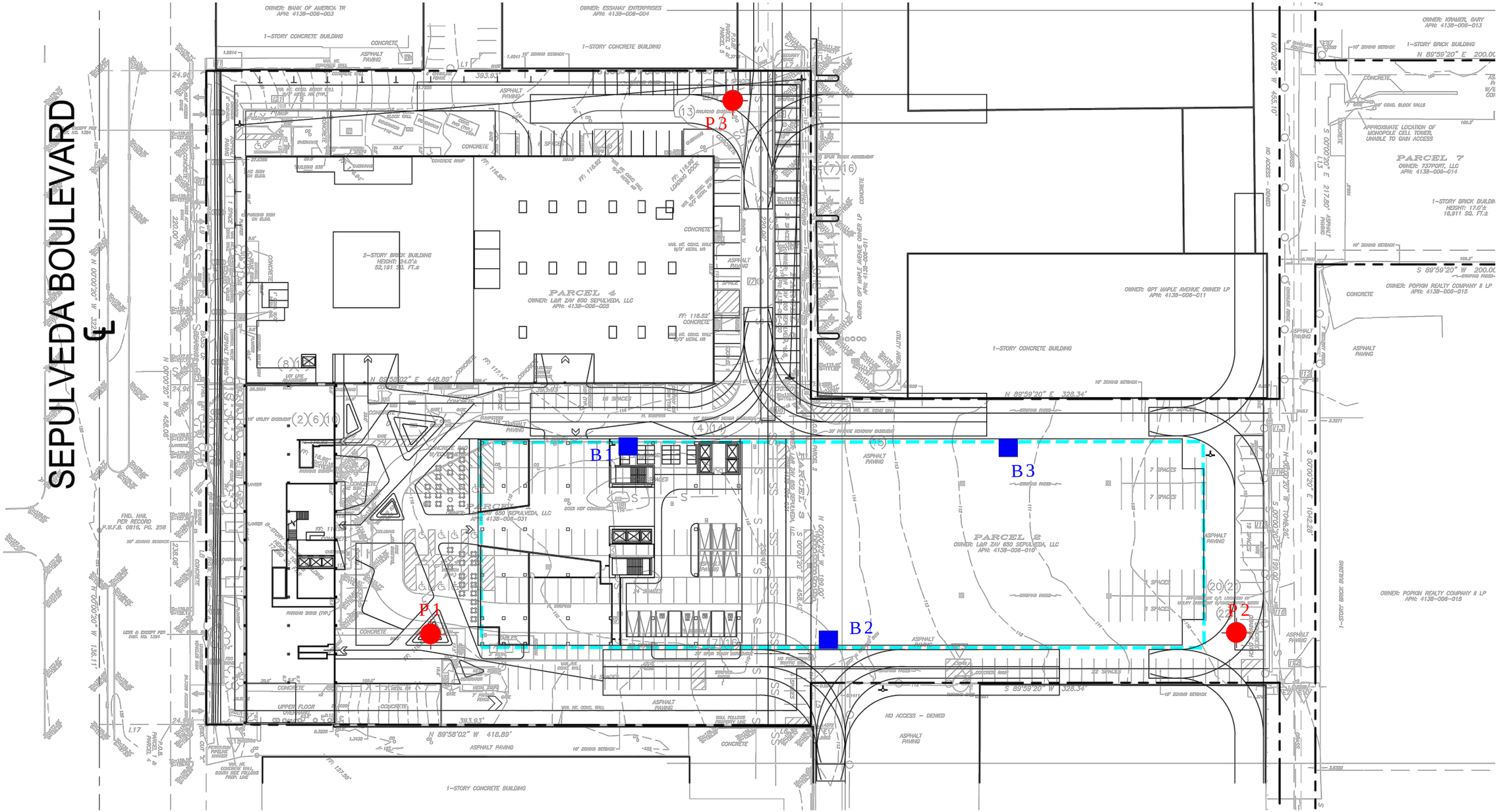

LEGEND

- B3 — APPROXIMATE LOCATION OF SOIL BORING
- P3 — APPROXIMATE LOCATION OF PERCOLATION TEST
- APPROXIMATE LOCATION OF PROPOSED BUILDING
- APPROXIMATE LOCATION OF EXISTING IMPROVEMENTS

N

0 70 140

SCALE (FEET)

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FOR:
L&R ZAV 650 SEPULVEDA LLC
650 - 700 NORTH PACIFIC COAST HIGHWAY
EL SEGUNDO, CALIFORNIA 90245

SUBSURFACE LOCATION MAP

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185804814	JEF	JEF	JEF	6/15/20

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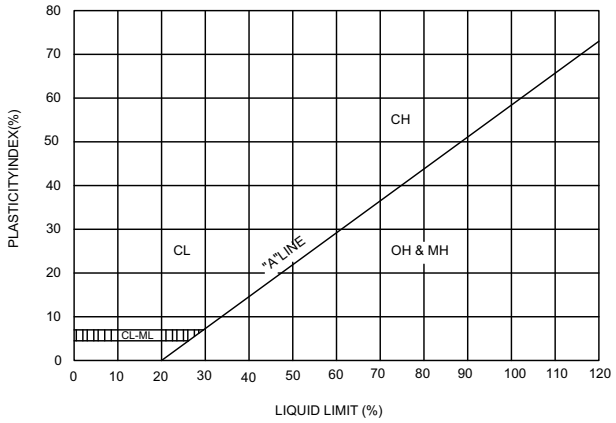
APPENDIX A
BORING LOGS

UNIFIED SOIL CLASSIFICATION (ASTM D-2487)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			GROUP SYMBOL	SOIL GROUP NAMES & LEGEND
COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE	GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE	*CLEAN GRAVELS <5% FINES	Cu>4 AND 1<Cc<3	GW	WELL-GRADED GRAVEL
			Cu>4 AND 1>Cc>3	GP	POORLY-GRADED GRAVEL
		*GRAVELS WITH FINES >12% FINES	FINES CLASSIFY AS ML OR CL	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE	*CLEAN SANDS <5% FINES	Cu>6 AND 1<Cc<3	SW	WELL-GRADED SAND
			Cu>6 AND 1>Cc>3	SP	POORLY-GRADED SAND
		*SANDS AND FINES >12% FINES	FINES CLASSIFY AS ML OR CL	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT<50	INORGANIC	PI>7 AND PLOTS>"A" LINE	CL	LEAN CLAY
			PI>4 AND PLOTS<"A" LINE	ML	SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT>50	INORGANIC	PI PLOTS >"A" LINE	CH	FAT CLAY
			PI PLOTS <"A" LINE	MH	ELASTIC SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OH	ORGANIC CLAY OR SILT
HIGHLY ORGANIC SOILS		PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR		PT	PEAT

* Dual symbols required for fines content between 5% and 12%

PLASTICITY CHART



SAMPLER TYPES

- SPT
- Modified California (2.5" I.D.)
- Rock Core
- Shelby Tube
- No Recovery
- Grab Sample

ADDITIONAL TESTS

COR	-	CHEMICAL ANALYSIS (CORROSIVITY)	PI	-	PLASTICITY INDEX
CD	-	CONSOLIDATED DRAINED TRIAXIAL	EI	-	EXPANSION INDEX
CN	-	CONSOLIDATION	TC	-	CYCLIC TRIAXIAL
CU	-	CONSOLIDATED UNDRAINED TRIAXIAL	TV	-	TORVANE SHEAR
DS	-	DIRECT SHEAR	UC	-	UNCONFINED COMPRESSION
PP	-	POCKET PENETROMETER (TSF)	(1.5)	-	(WITH SHEAR STRENGTH IN KSF)
#200	-	Percent Passing #200 SIEVE			
RV	-	R-VALUE	UU	-	UNCONSOLIDATED UNDRAINED TRIAXIAL
SA	-	SIEVE ANALYSIS: % PASSING			
▼	-	WATER LEVEL			

PENETRATION RESISTANCE (RECORDED AS BLOWS / FOOT)

SAND & GRAVEL		SILT & CLAY		
RELATIVE DENSITY	BLOWS/FOOT*	CONSISTENCY	BLOWS/FOOT*	STRENGTH** (KSF)
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 0.25
LOOSE	4 - 10	SOFT	2 - 4	0.25 - 0.5
MEDIUM DENSE	10 - 30	MEDIUM STIFF	4 - 8	0.5-1.0
DENSE	30 - 50	STIFF	8 - 15	1.0 - 2.0
VERY DENSE	OVER 50	VERY STIFF	15 - 30	2.0 - 4.0
		HARD	OVER 30	OVER 4.0

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

* * UNDRAINED SHEAR STRENGTH IN KIPS/SQ. FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST, POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION.

LEGEND TO BORING LOGS AND SOIL DESCRIPTIONS

Stantec

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **B1** PAGE 1 OF 2

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 30.72"** LONGITUDE: **118° 23' 42"**
GROUND ELEV (ft): **115.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **31.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)
			3" ASPHALT (AC) 3" AGGREGATE BASE (AB) **OLD EOLIAN DEPOSITS (Qoe)**						
		SM	**SILTY SAND** ; SM; 7.5YR 4/4 brownish brown; 74% fine to medium grained sand; 26% fines; medium dense, moist.		B1-2'	SA			
5			7.5YR 5/8 dark brownish brown		B1-5'	DS	7 12 17		5
10			Dense below 10 feet.		B1-10'		6 11 20		10
15			Very dense below 15 feet.		B1-15'		18 27 29		15
20			Medium dense below 20 feet.		B1-20'		12 16 31		20

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **B1** PAGE 2 OF 2

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 30.72"** LONGITUDE: **118° 23' 42"**
GROUND ELEV (ft): **115.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **31.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)
25			Dense below 25 feet.		B1-25'		8 13 19		25
30					B1-30'		8 11 19		30
			Hole terminated at 31.5 feet.						
35									35
40									40

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **B2** PAGE 1 OF 2

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.28"** LONGITUDE: **118° 23' 40.2"**
GROUND ELEV (ft): **113.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **31.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)
			1" ASPHALT 1" AB **OLD EOLIAN DEPOSITS (Qoe)**						
		SM	**SAND WITH SILT** ; SM; 7.5YR 3/4 dark brown; fine-grained; 76% fine grained sand; 24% fines; medium dense, moist.		B2-2'	SA			
5					B2-5'		3 1 1		5
10			7.5YR 5/6 dark brown; medium dense below 10 feet.		B2-10'	DS	14 15 31		10
15		CL	**LEAN CLAY WITH FINE SAND** ; CL; 10YR 5/4 yellowish brown; fine-grained; 95% fines; 5% fine grained sand; very stiff, moist, mottled oxidation staining, trace root holes.		B2-15'		4 7 12		15
20		SW	**WELL GRADED SAND** ; SW; 7.5YR 4/6 dark brown; fine to medium-grained; 95% fine to medium grained sand; 5% fines; medium dense, moist		B2-20'		3 10 16		20

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **B2** PAGE 2 OF 2

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.28"** LONGITUDE: **118° 23' 40.2"**
GROUND ELEV (ft): **113.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **31.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)
25					B2-25'		8 8 14		25
30					B2-30'		8 13 16		30
			Hole terminated at 31.5 feet.						
35									35
40									40

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **B3** PAGE 1 OF 1

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 30.72"** LONGITUDE: **118° 23' 39.12"**
GROUND ELEV (ft): **111.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **21.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)
			2" ASPHALT 1" AB **OLD EOLIAN DEPOSITS (Qoe)**		B3-Bulk	CORR			
		SM	**SILTY SAND** ; SM; 7.5YR 3/3 dark brown; fine-grained; 73% fine grained sand; 26% fines; dense, moist.		B3-2'	SA			
5					B3-5'	DS	7 6 5		5
10			10YR 5/3 brown; medium dense below 10 feet.		B3-10'		3 9 16		10
15			59% fine grained sand; 41% fines below 15 feet.		B3-15'	SA	3 11 15		15
20			86% fine grained sand; 14% fines below 20 feet.		B3-20'	SA	9 14 14		20
			Hole terminated at 21.5 feet.						

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P1** PAGE 1 OF 3

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.28"** LONGITUDE: **118° 23' 44.16"**
GROUND ELEV (ft): **120.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
			3" ASPHALT 3" AB **OLD EOLIAN DEPOSITS (Qoe)**		P1-Bulk	CORR				Backfilled with bentonite.
		SM	**SILTY SAND** ; SM; brown (7.5 YR 4/4) to strong brown (7.5YR 5/8), 90% fine to coarse grained sand; 10% fines; medium dense, moist.		P1-2'					
5			Dense below 5 feet.		P1-5'		10 18 25		5	
10			Very dense below 10 feet		P1-10'	DS	16 32 50-5"		10	
15			Dense below 15 feet.		P1-15'		9 18 25		15	
20			Medium dense below 20 feet.		P1-20'		7 12 19		20	Backfilled with bentonite

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P1** PAGE 2 OF 3

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.28"** LONGITUDE: **118° 23' 44.16"**
GROUND ELEV (ft): **120.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
25			Dense below 25 feet.		P1-25'		10 25 22		25	
30			Very dense below 30 feet.		P1-30'		10 30 50-5"		30	
35					P1-35'		23 39 46		35	
40					P1-40'		20 31 50-6"		40	

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/28/20** COMPLETED: **5/28/20**
INSTALLATION: STARTED **5/28/20** COMPLETED: **5/28/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P1** PAGE 3 OF 3

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.28"** LONGITUDE: **118° 23' 44.16"**
GROUND ELEV (ft): **120.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
45					P1-45'		21 29 41		45	Backfilled with gravel pack.
		SP-SM	**SILTY SAND** ; SP-SM; 7.5YR 4/4 brown; 92% fine grained sand; 8% fines; very dense.							
50					P1-50'	SA	15 24 33		50	Backfilled with bentonite.
			Hole terminated at 51.5 feet.							
55									55	
60									60	
65									65	

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P2** PAGE 1 OF 3

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.64"** LONGITUDE: **118° 23' 37.32"**
GROUND ELEV (ft): **111.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
			3" ASPHALT							
			3" AB							
			OLD EOLIAN DEPOSITS (Qoe)							Backfilled with bentonite.
		SM	**SILTY SAND** ; SM; 7.5YR 3/2 dark brown; fine to medium-grained; 62% fine to medium grained sand; 38% fines; moist.		P2-2'	SA				
5			Trace coarse grained sand; loose below 5 feet.		P2-5'		7 7 7		5	
					P2-7'					
10		CL	**SANDY LEAN CLAY** ; CL; 10YR3/2 very dark grayish brown; fine-grained; 90% fines; 10% fine grained sand; stiff, moist.		P2-10'	#200, AL	4 8 13		10	
15			Sorted below 15 feet.		P2-15'		2 2 3		15	
20		SP	**POORLY GRADED SAND** ; SP; 5YR 5/6 yellowish red; fine-grained; 95% fien grained sand; 5% fines; very dense, moist.		P2-20'		18 20 31		20	Backfilled with bentonite

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P2** PAGE 2 OF 3

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.64"** LONGITUDE: **118° 23' 37.32"**
GROUND ELEV (ft): **111.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
25			7.5YR 5/6 dark brown; fine to medium-grained; dense below 25 feet.		P2-25'		8 14 18		25	
30			Very dense below 30 feet.		P2-30'		11 24 34		30	
35			Dense below 35 feet.		P2-35'		10 16 20		35	
40			Very dense below 40 feet.		P2-40'	SA	16 26 26		40	

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P2** PAGE 3 OF 3

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 29.64"** LONGITUDE: **118° 23' 37.32"**
GROUND ELEV (ft): **111.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
45			Trace coarse rounded sand; dense below 45 feet.		P2-45'		12 17 21		45	Backfilled with gravel pack.
50		SP-SM	**POORLY GRADED SAND WITH SILT** ; SP-SM; dark brown; 93% fien grained sand; 7% fines; dry, dense.		P2-50'	SA	11 16 22		50	Backfilled with bentonite.
			Hole terminated at 51.5 feet.							
55									55	
60									60	
65									65	

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P3** PAGE 1 OF 3

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 33.24"** LONGITUDE: **118° 23' 40.92"**
GROUND ELEV (ft): **113.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
			2" ASPHALT 1" AB **OLD EOLIAN DEPOSITS (Qoe)**							Backfilled with bentonite.
		SM	**SILTY SAND** ; SM; 7.5YR 3/4 dark brown; fine to medium-grained; 90% fine to medium grained sand;10% fines; moist.		P3-2'					
5			Medium dense below 5 feet.		P3-5'		3 6 6		5	
10		SC	**WELL GRADED SAND WITH CLAY** ; SC; 7.5YR 4/6 dark brown; fine to medium-grained; 90% fien to medium grained sand; 10% fines; medium dense, moist.		P3-10'		8 11 22		10	
15					P3-15'		8 10 23		15	
20		SW	**WELL GRADED SAND** ; SW; 7.5YR 5/8 dark brown; fine to medium-grained; 95% fine to medium grained sand; <5% fines; medium dense, moist.		P3-20'		11 26 36		20	Backfilled with bentonite

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P3** PAGE 2 OF 3

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 33.24"** LONGITUDE: **118° 23' 40.92"**
GROUND ELEV (ft): **113.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
25		SW-SC	**WELL GRADED SAND WITH CLAY** ; SW-SC; 7.5YR 4/6 dark brown; fine to medium-grained; 90% fine to medium grained sand; 10% fines; medium dense, moist.		P3-25'		11 18 20		25	
30					P3-30'		14 25 28		30	
35					P3-35'		17 26 36		35	
40		SP	**POORLY GRADED SAND** ; SP; 7.5YR 4/6 dark brown; fine to medium-grained; 95% fine to medium grained sand; 5% fines; very dense; dry.		P3-40'	SA	11 22 30		40	

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

PROJECT: **650-700 PCH**
LOCATION: **El Segundo, CA**
PROJECT NUMBER: **185804814**
DRILLING: STARTED **5/29/20** COMPLETED: **5/29/20**
INSTALLATION: STARTED **5/29/20** COMPLETED: **5/29/20**
DRILLING COMPANY: **ABC Liovin Drilling**
DRILLING EQUIPMENT: **CME 85**
DRILLING METHOD: **HSA**
SAMPLING EQUIPMENT: **Split Spoon**

WELL / TEST PIT / BOREHOLE NO: **P3** PAGE 3 OF 3

Stantec

NORTHING (ft): EASTING (ft):
LATITUDE: **33° 55' 33.24"** LONGITUDE: **118° 23' 40.92"**
GROUND ELEV (ft): **113.0** TOC ELEV (ft):
INITIAL DTW (ft): **NE** BOREHOLE DEPTH (ft): **51.5**
STATIC DTW (ft): **NE** WELL DEPTH (ft): **---**
WELL CASING DIAMETER (in): **---** BOREHOLE DIAMETER (in): **8**
LOGGED BY: **R. Woodford** CHECKED BY: **J. Fischer**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Geotechnical Lab Testing	Blow Count	PID Reading (ppmv)	Depth (feet)	Borehole Backfill
45					P3-45'		13 20 31		45	Backfilled with gravel pack.
50		SM	**SILTY SAND** ; SM; 7.5YR 4/6 dark brown; fine-grained; 88% fine grained sand; 12% fines; very dense; dry.		P3-50'	SA	16 24 28		50	Backfilled with bentonite.
			Hole terminated at 51.5 feet.							
55									55	
60									60	
65									65	

GEO FORM 304 650_700_PCH.GPJ SECOR INTL.GDT 6/28/20

APPENDIX B
LABORATORY TEST RESULTS

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source Grab

Project Number 185804814
Lab ID B1-2'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape
Particle Hardness
Sample Dry Mass (g) 323.10
Moisture Content (%) 6.5

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 8	1.00	0.3	99.7
No. 16	0.50	0.2	99.5
No. 30	15.90	4.9	94.6
No. 50	144.10	44.6	50.0
No. 100	69.10	21.4	28.6
No. 200	8.30	2.6	26.1
Pan	84.20	26.1	---

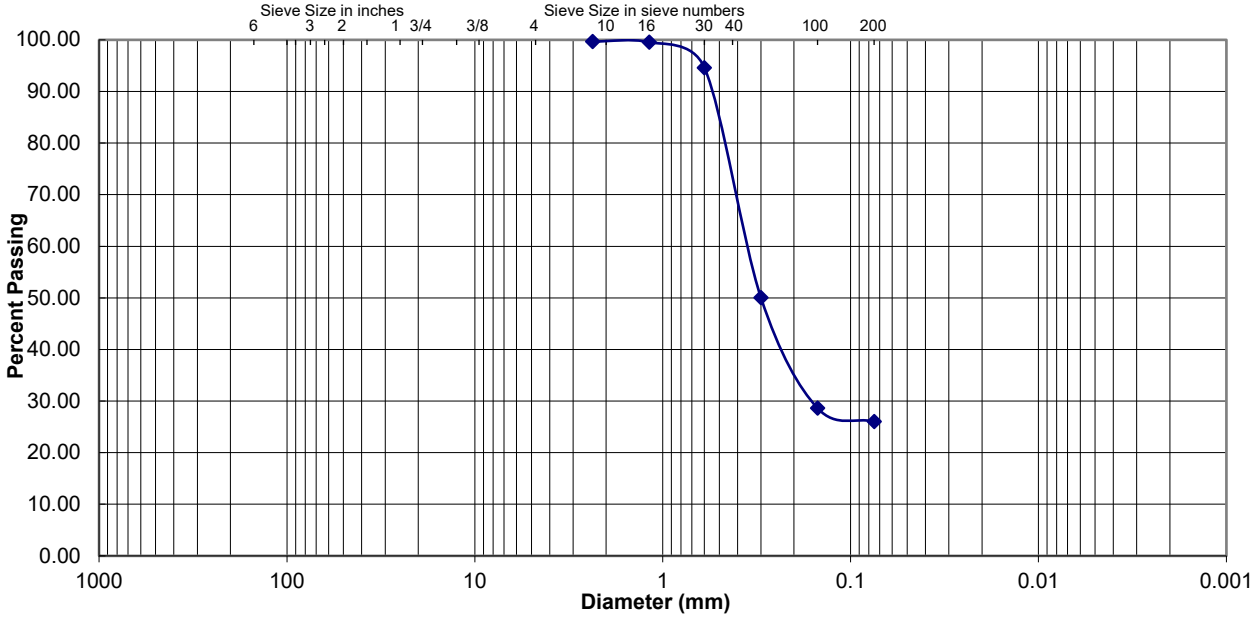
% Gravel	0.0
% Sand	73.9
% Fines	26.1
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name	650-700 PCH	Project Number	185804814
Source	Grab	Lab ID	B2-2'
		Date Received	06-15-2020
Preparation Method	ASTM D 1140 Method A	Preparation Date	06-19-2020
Particle Shape	N/A	Test Date	06-20-2020
Particle Hardness	N/A		
Sample Dry Mass (g)	289.30	Analysis based on total sample.	
Moisture Content (%)	6.9		

Sieve Size	Grams Retained	% Retained	% Passing
No. 30	11.80	4.1	95.9
No. 50	131.40	45.4	50.5
No. 100	63.70	22.0	28.5
No. 200	11.50	4.0	24.5
Pan	70.90	24.5	---

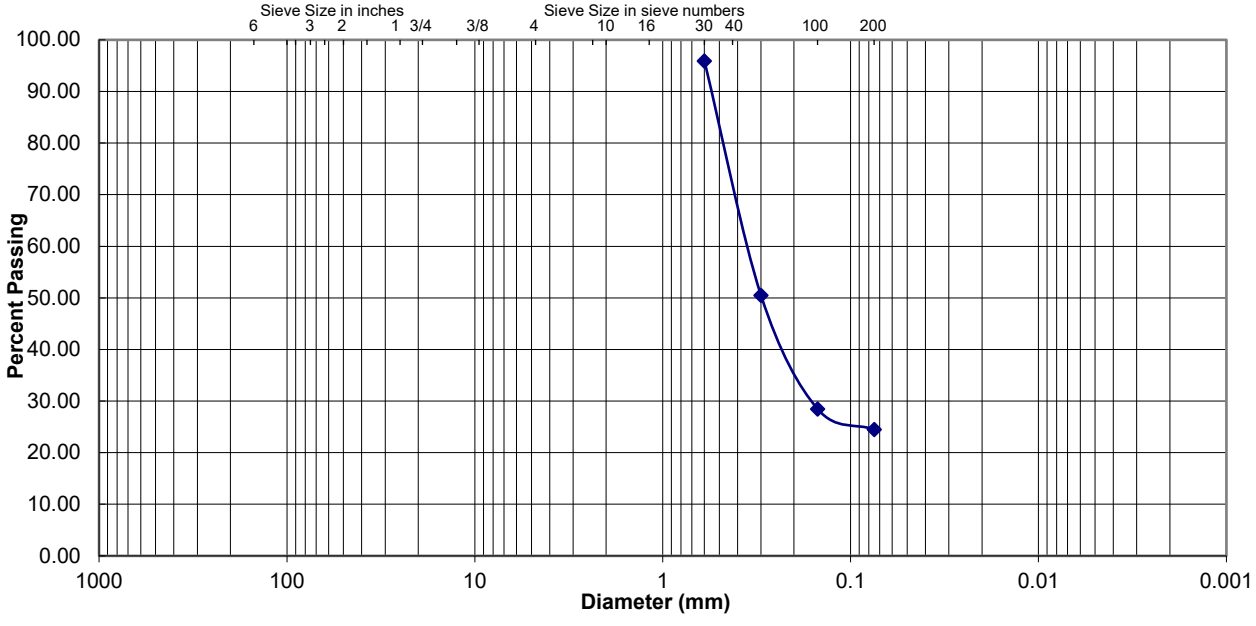
% Gravel	0.0
% Sand	75.5
% Fines	24.5
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source Grab

Project Number 185804814
Lab ID B3-2'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape
Particle Hardness
Sample Dry Mass (g) 245.50
Moisture Content (%) 9.3

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 4	2.90	1.2	98.8
No. 8	2.70	1.1	97.7
No. 16	2.90	1.2	96.5
No. 30	12.50	5.1	91.4
No. 50	93.60	38.1	53.3
No. 100	55.80	22.7	30.6
No. 200	10.50	4.3	26.3
Pan	64.60	26.3	---

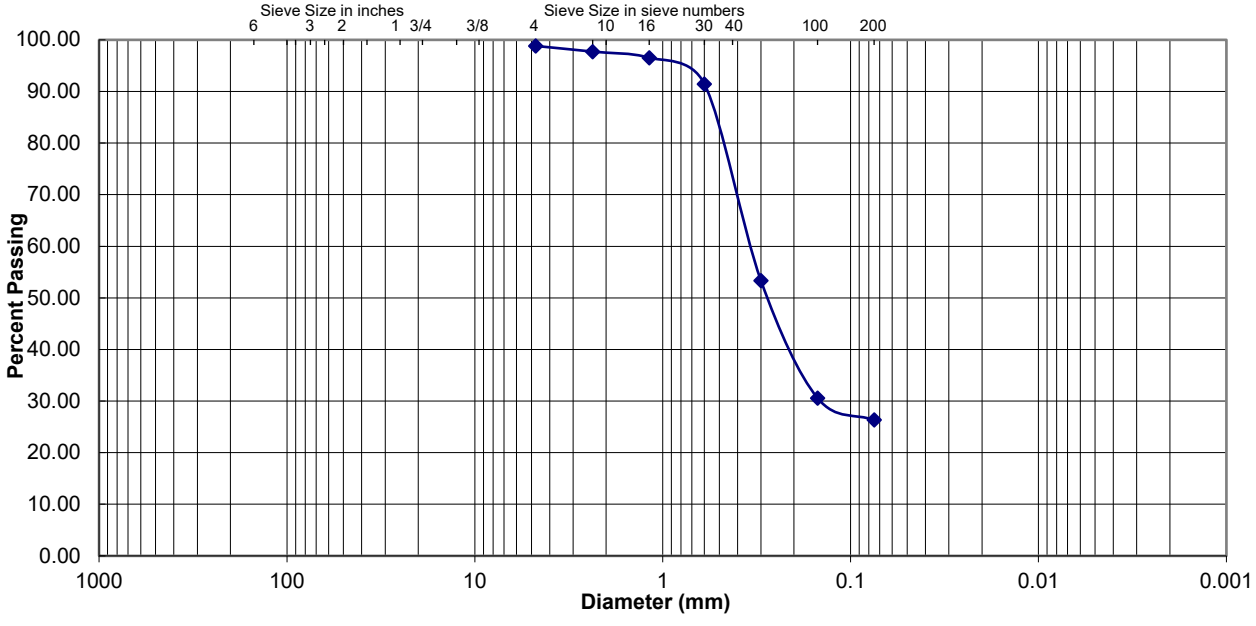
% Gravel	1.2
% Sand	72.5
% Fines	26.3
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source CM

Project Number 185804814
Lab ID B3-15'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape N/A
Particle Hardness N/A
Sample Dry Mass (g) 261.00
Moisture Content (%) 18.0

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 30	1.40	0.5	99.5
No. 50	19.40	7.4	92.0
No. 100	64.80	24.8	67.2
No. 200	69.10	26.5	40.7
Pan	106.30	40.7	---

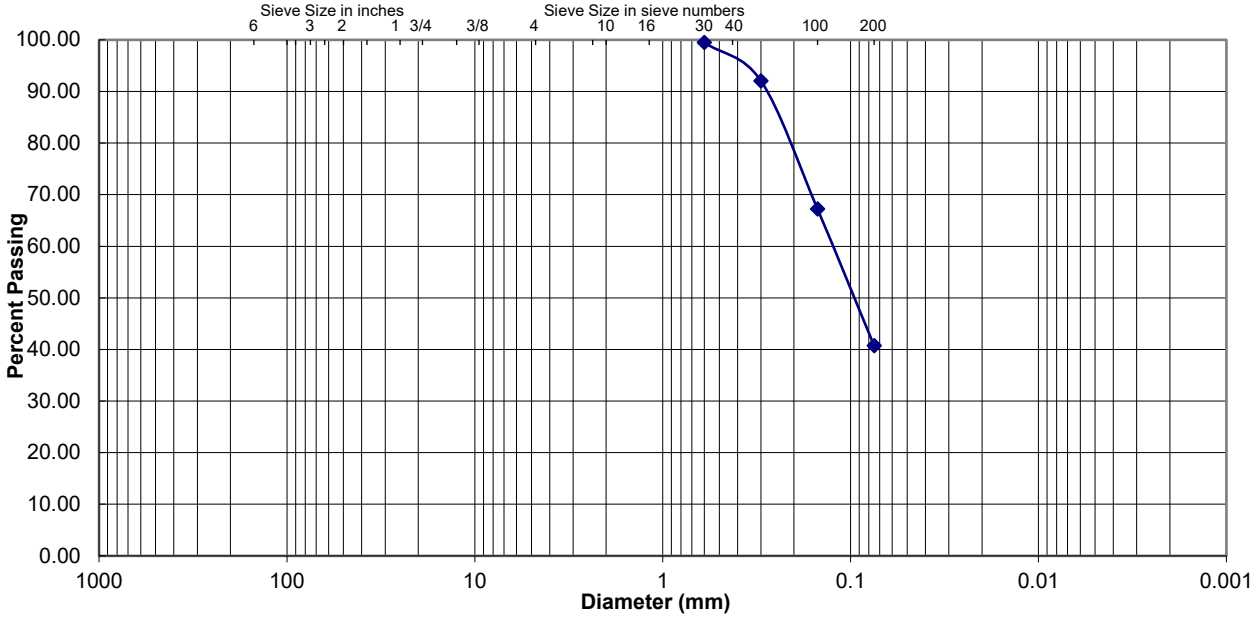
% Gravel	0.0
% Sand	59.3
% Fines	40.7
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source SPT

Project Number 185804814
Lab ID B3-20'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape N/A
Particle Hardness N/A
Sample Dry Mass (g) 258.60
Moisture Content (%) 6.7

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 30	8.90	3.4	96.6
No. 50	128.70	49.8	46.8
No. 100	78.60	30.4	16.4
No. 200	6.80	2.6	13.8
Pan	35.60	13.8	---

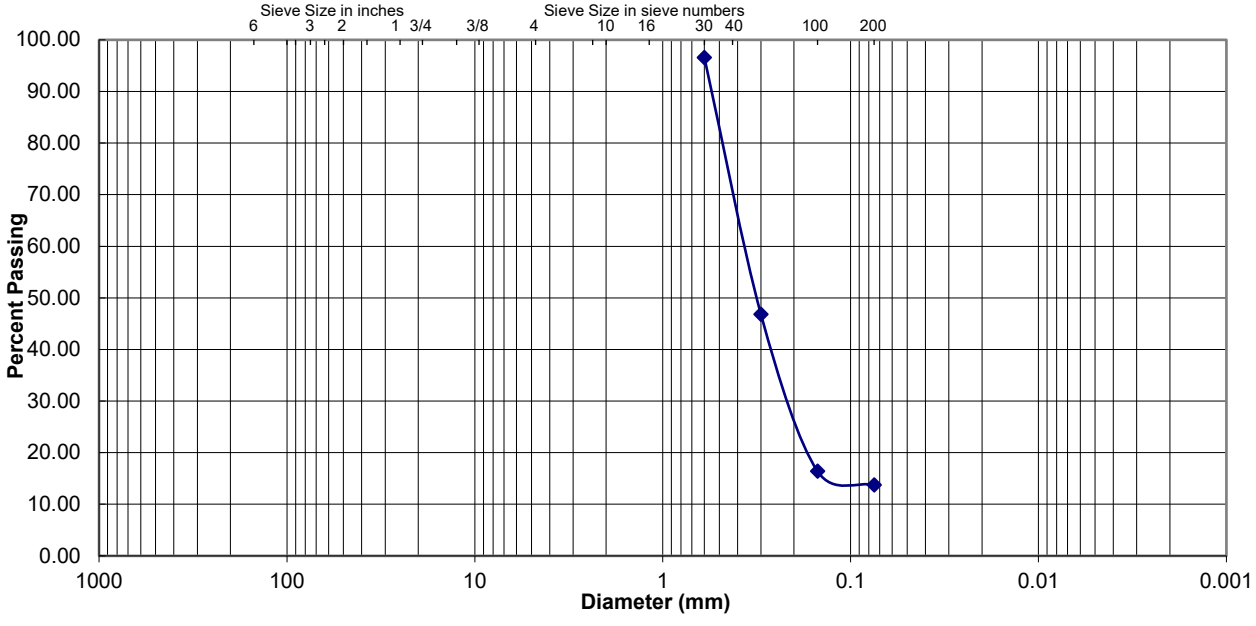
% Gravel	0.0
% Sand	86.2
% Fines	13.8
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source SPT

Project Number 185804814
Lab ID P1-50'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape N/A
Particle Hardness N/A
Sample Dry Mass (g) 220.30
Moisture Content (%) 5.4

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 30	2.50	1.1	98.9
No. 50	14.90	6.8	92.1
No. 100	117.00	53.1	39.0
No. 200	67.40	30.6	8.4
Pan	18.50	8.4	---

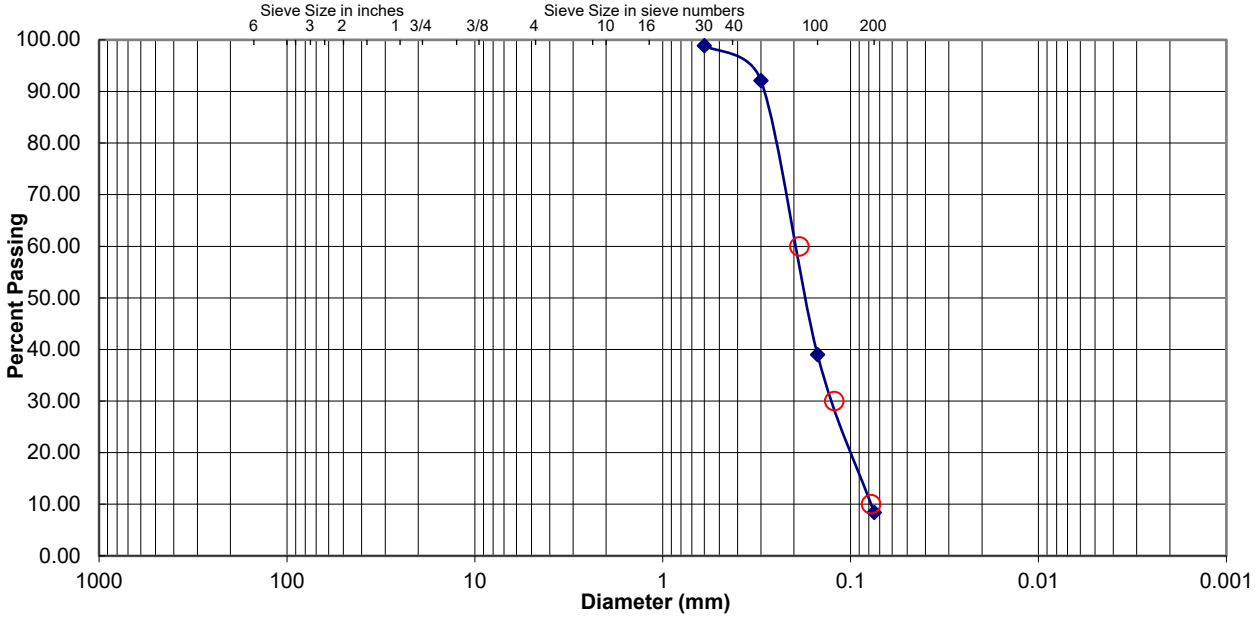
% Gravel	0.0
% Sand	91.6
% Fines	8.4
Fines Classification	ML
D_{10} (mm)	0.0778
D_{30} (mm)	0.1224
D_{60} (mm)	0.1873
Cu	2.41
Cc	1.03

Classification

Poorly Graded Sand (SP-SM) with Silt

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name	650-700 PCH	Project Number	185804814
Source	Grab	Lab ID	P2-2'
		Date Received	06-15-2020
Preparation Method	ASTM D 1140 Method A	Preparation Date	06-19-2020
Particle Shape		Test Date	06-20-2020
Particle Hardness			
Sample Dry Mass (g)	310.40	Analysis based on total sample.	
Moisture Content (%)	11.8		

Sieve Size	Grams Retained	% Retained	% Passing
No. 4	1.30	0.4	99.6
No. 8	0.40	0.1	99.5
No. 16	1.40	0.5	99.0
No. 30	9.30	3.0	96.0
No. 50	100.40	32.3	63.7
No. 100	56.90	18.3	45.3
No. 200	22.70	7.3	38.0
Pan	118.00	38.0	---

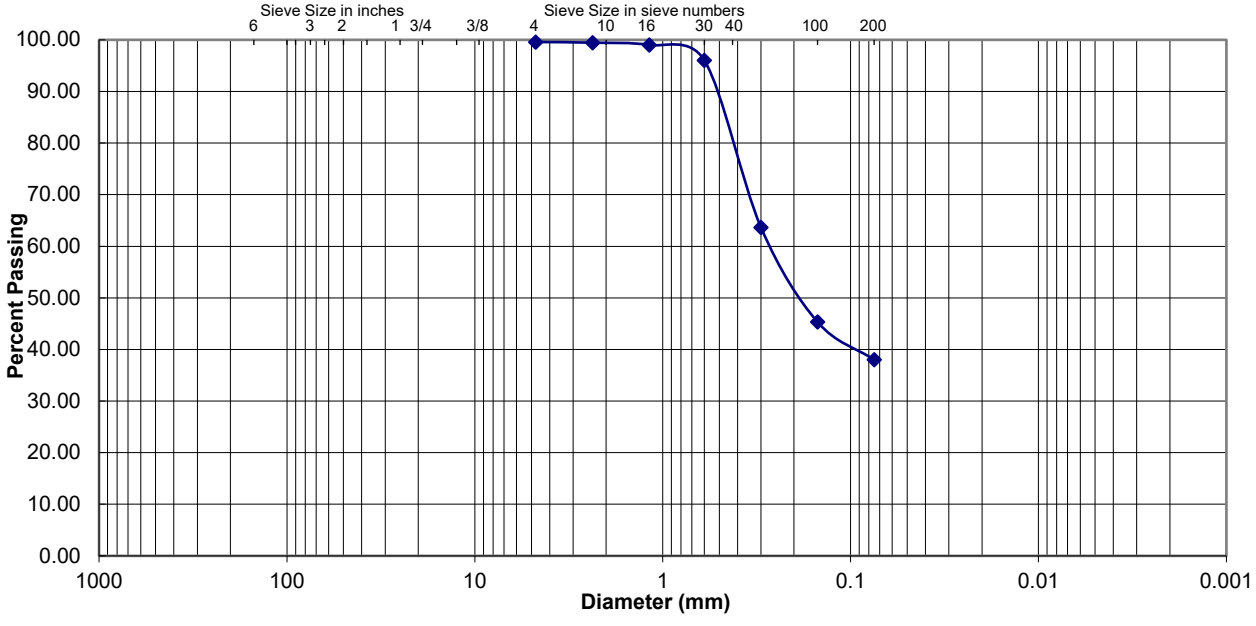
% Gravel	0.4
% Sand	61.6
% Fines	38.0
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Materials Finer Than 75µm (No. 200) Sieve

ASTM D 1140

Project Name	650-700 PCH	Project Number	185804814
Source	P2-10'	Lab ID	P2-10'
		Date Received	06-15-2020
Preparation Method	ASTM D 1140 Method A	Test Date	06-19-2020

Initial Sample Wet Mass (g)	236.60	Moisture Content (%)	17.9
Initial Oven Dry Sample Mass (g)	200.60		
Final Oven Dry Sample Mass (g)	97.40		
Materials Finer Than 75µm (No. 200) Sieve (g)	103.20		
Percent Finer Than 75µm (No. 200) Sieve (%)	51.4		

Comments

Reviewed By JF

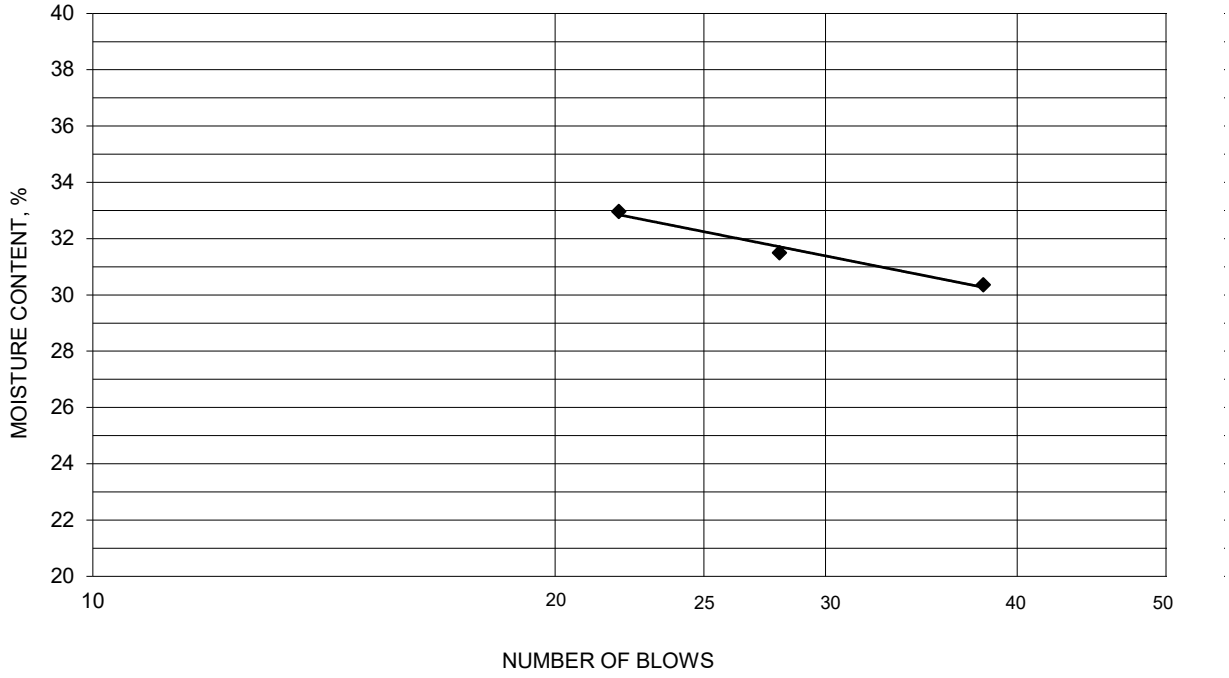
Stantec

ATTERBERG LIMITS

Project	650-700 PCH			Project No.	185804814
Source	SPT			Lab ID	P2-10'
Tested By	M.P.	Test Method	ASTM D 4318	% + No. 40	10
Test Date	06-20-2020	Prepared	Dry	Date Received	06-15-2020

Wet Soil and Tare Mass (g)	Dry Soil and Tare Mass (g)	Tare Mass (g)	Number of Blows	Water Content (%)	Liquid Limit
21.84	19.93	13.64	38	30.4	
25.94	23.02	13.75	28	31.5	
25.68	22.67	13.54	22	33.0	32

Liquid Limit



PLASTIC LIMIT AND PLASTICITY INDEX

Wet Soil and Tare Mass (g)	Dry Soil and Tare Mass (g)	Tare Mass (g)	Water Content (%)	Plastic Limit	Plasticity Index
21.53	20.41	13.72	16.7	17	15

Remarks: USCS Soil Type = Clay (CL)

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source SPT

Project Number 185804814
Lab ID P2-40'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape
Particle Hardness
Sample Dry Mass (g) 256.80
Moisture Content (%) 11.2

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 16	0.50	0.2	99.8
No. 30	12.00	4.7	95.1
No. 50	63.00	24.5	70.6
No. 100	115.20	44.9	25.7
No. 200	53.50	20.8	4.9
Pan	12.60	4.9	---

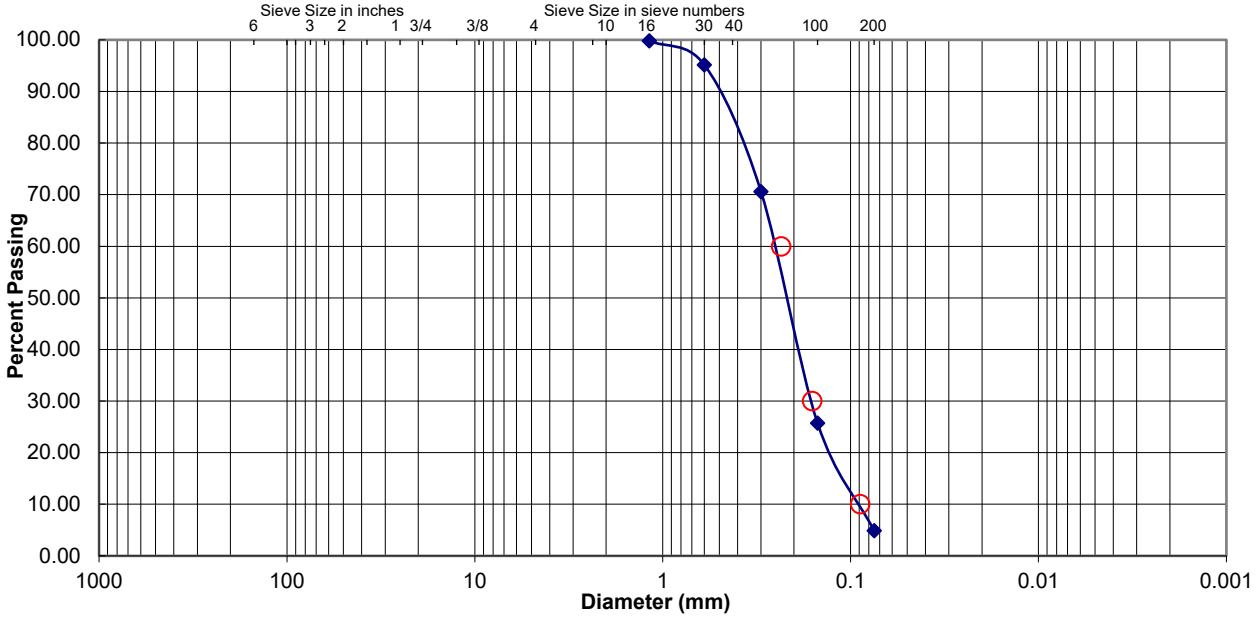
% Gravel	0.0
% Sand	95.1
% Fines	4.9
Fines Classification	ML
D_{10} (mm)	0.0889
D_{30} (mm)	0.1602
D_{60} (mm)	0.2347
Cu	2.64
Cc	1.23

Classification

Poorly Graded Sand (SP)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name 650-700 PCH
Source SPT

Project Number 185804814
Lab ID P2-50'
Date Received 06-15-2020
Preparation Date 06-19-2020
Test Date 06-20-2020

Preparation Method ASTM D 1140 Method A
Particle Shape
Particle Hardness
Sample Dry Mass (g) 248.00
Moisture Content (%) 8.0

Analysis based on total sample.

Sieve Size	Grams Retained	% Retained	% Passing
No. 8	0.60	0.2	99.8
No. 16	0.00	0.0	99.8
No. 30	0.00	0.0	99.8
No. 50	1.10	0.4	99.3
No. 100	112.40	45.3	54.0
No. 200	115.60	46.6	7.4
Pan	18.30	7.4	---

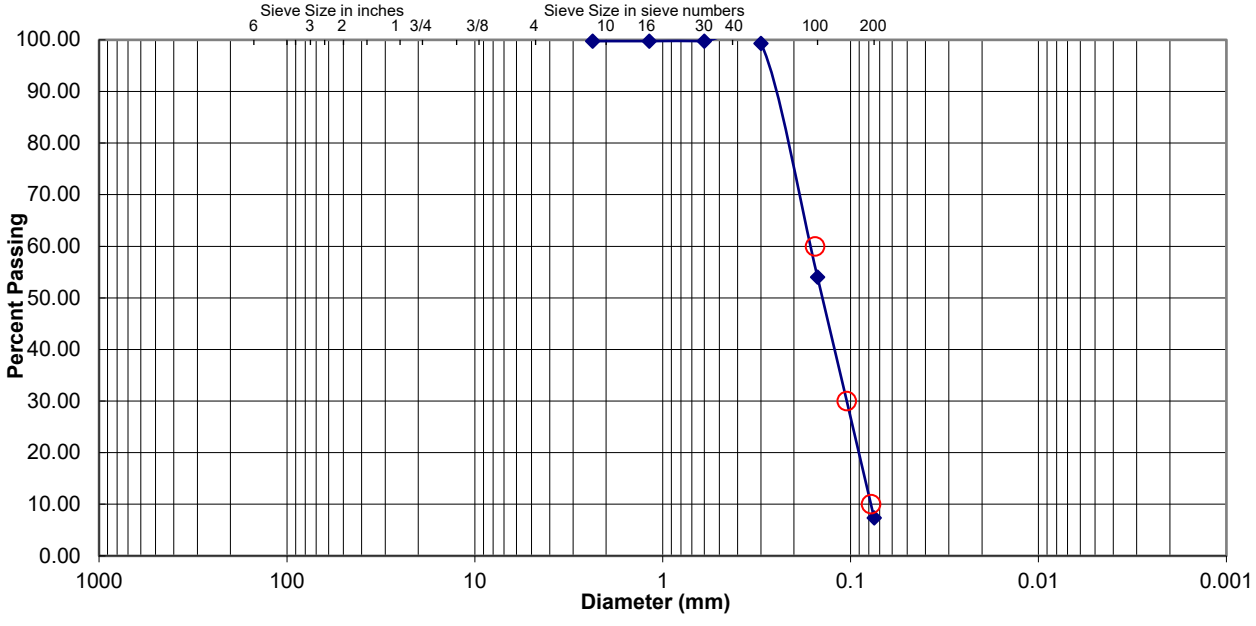
% Gravel	0.0
% Sand	92.6
% Fines	7.4
Fines Classification	ML
D_{10} (mm)	0.0780
D_{30} (mm)	0.1050
D_{60} (mm)	0.1544
Cu	1.98
Cc	0.92

Classification

Poorly Graded Sand (SP-SM) with Silt

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name	650-700 PCH	Project Number	185804814
Source	SPT	Lab ID	P3-40'
		Date Received	06-15-2020
Preparation Method	ASTM D 1140 Method A	Preparation Date	06-19-2020
Particle Shape	N/A	Test Date	06-20-2020
Particle Hardness	N/A		
Sample Dry Mass (g)	213.80	Analysis based on total sample.	
Moisture Content (%)	7.6		

Sieve Size	Grams Retained	% Retained	% Passing
No. 30	2.80	1.3	98.7
No. 50	16.40	7.7	91.0
No. 100	151.40	70.8	20.2
No. 200	32.70	15.3	4.9
Pan	10.50	4.9	---

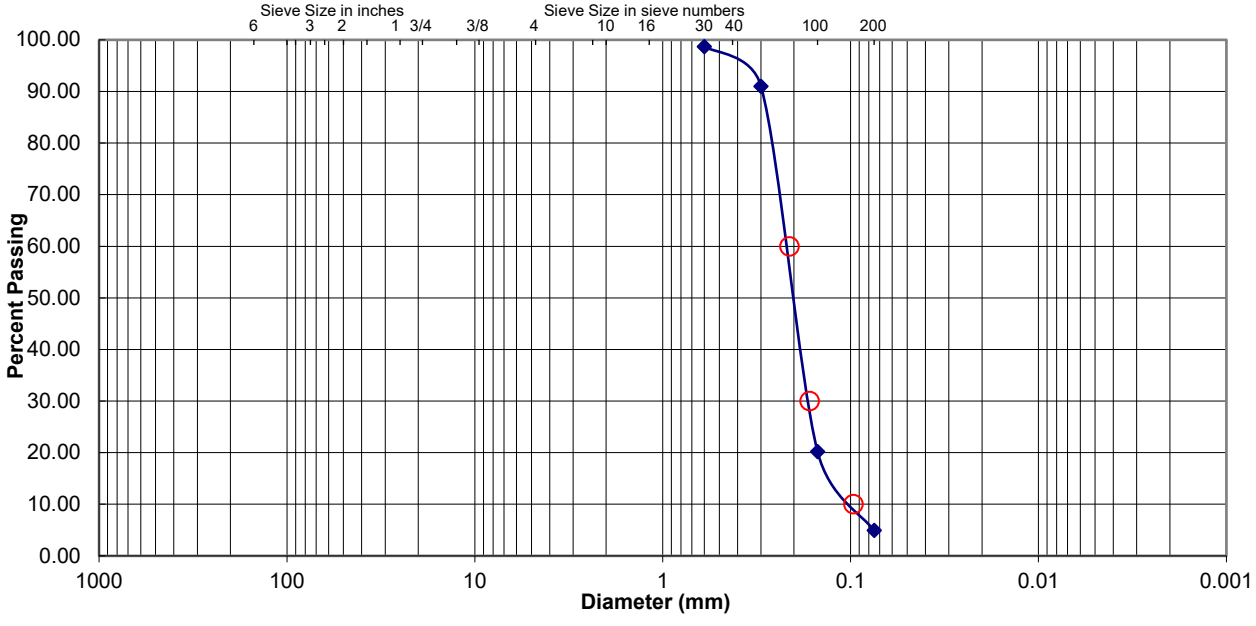
% Gravel	0.0
% Sand	95.1
% Fines	4.9
Fines Classification	ML
D_{10} (mm)	0.0965
D_{30} (mm)	0.1651
D_{60} (mm)	0.2114
Cu	2.19
Cc	1.34

Classification

Poorly Graded Sand (SP)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

Reviewed By JF

Stantec

Gradation Analysis

ASTM D 422

Project Name	650-700 PCH	Project Number	185804814
Source	SPT	Lab ID	P3-50'
		Date Received	06-15-2020
Preparation Method	ASTM D 1140 Method A	Preparation Date	06-19-2020
Particle Shape		Test Date	06-20-2020
Particle Hardness			
Sample Dry Mass (g)	308.80	Analysis based on total sample.	
Moisture Content (%)	9.3		

Sieve Size	Grams Retained	% Retained	% Passing
No. 8	1.90	0.6	99.4
No. 16	0.00	0.0	99.4
No. 30	0.00	0.0	99.4
No. 50	1.00	0.3	99.1
No. 100	72.70	23.5	75.5
No. 200	195.30	63.2	12.3
Pan	37.90	12.3	---

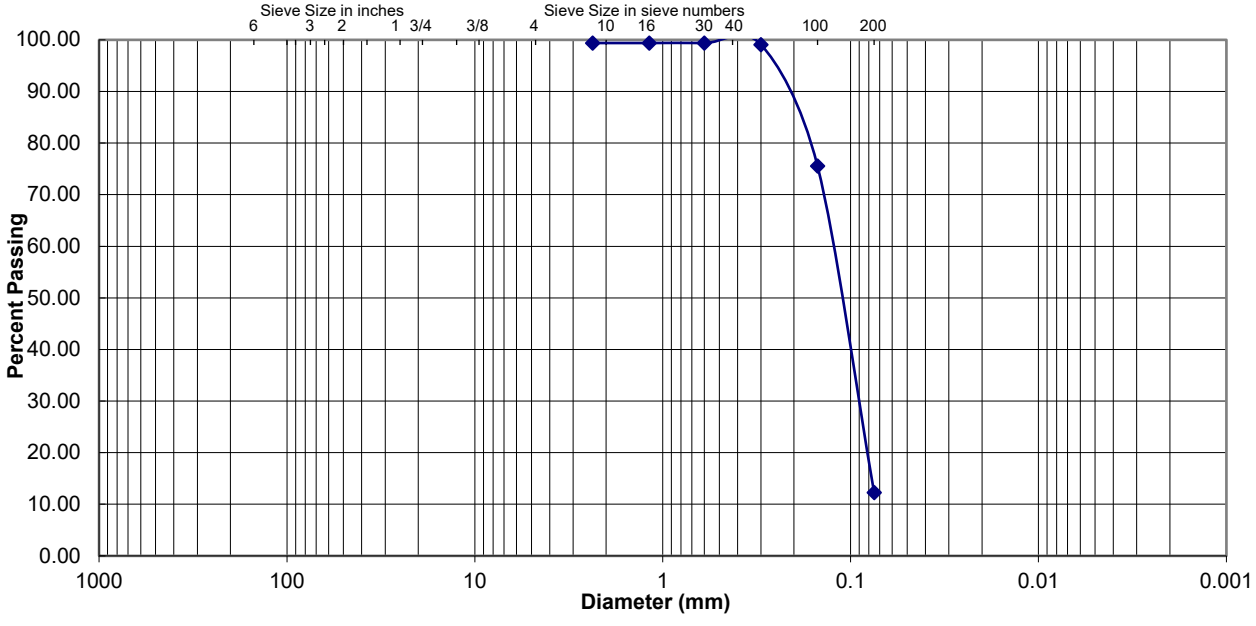
% Gravel	0.0
% Sand	87.7
% Fines	12.3
Fines Classification	ML
D_{10} (mm)	N/A
D_{30} (mm)	N/A
D_{60} (mm)	N/A
Cu	N/A
Cc	N/A

Classification

Silty Sand (SM)

Classification determined by ASTM D 2487. -200 material classification determined by visual assessment, ASTM D 2488.

Particle Size Distribution



Comments

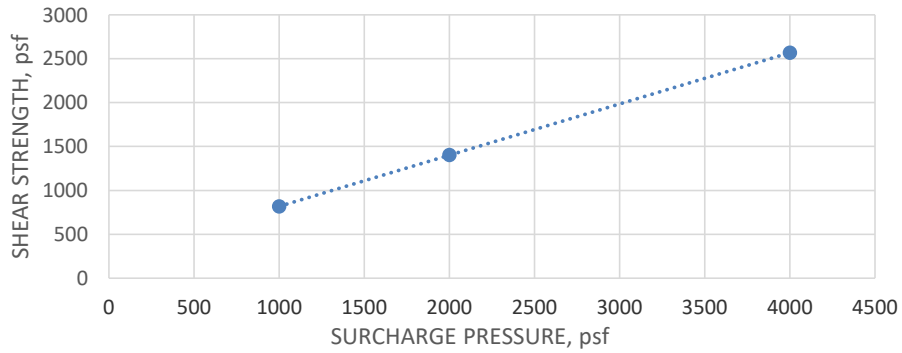
Reviewed By JF

JD & S Testing

Direct Shear Moisture Content & Density

Project Name:	650-700 PCH	Project Number:	185804814
Sampled By:	Client	Sample Date: 5/29/2020	Lab #:
Source/Location:	B1-5'	Tested By:	M.P.
Description:		Test Date:	6/20/2020

	Shearing Rate (in./min.)	0.040		
	Normal Pressure (psf)	1000	2000	4000
[A]	Initial Weight of Wet Soil + Ring (0.1g)	176.2	168.9	177.3
[B]	Weight of Ring (0.1g)	43.5	45.1	42.3
[C] = [A] - [B]	Initial Weight of Wet Soil (0.1g)	132.7	123.8	135.0
[D]	Initial Reading Time	0.0000	0.0000	0.0000
	Time			
	Time			
	Time			
[E]	Final Reading Time			
[F] = [E] - [D]	Height Change	0.0008	0.0031	0.0024
[G] = 1 - [F]	Final Height	0.9992	0.9969	0.9976
	Shear Strength (psf)	816	1404	2568
[H]	Final Weight of Wet Soil (0.1g)	141.5	134.4	146.6
[J]	Weight of Dry Soil (0.1g)	120.6	113.7	124.6
[K]	Specific Gravity	2.7		
[L]	Average Maximum Dry Density (0.1pcf)	99.5		
[M]	Initial Volume (0.01 cubic inch)	4.60	4.60	4.60
[P] = ([C] - [J]) / [J]	Initial Moisture Content (0.1%)	10.0%	8.9%	8.3%
[Q] = [C] / [M] * 3.81	Initial Wet Density (0.1pcf)	109.9	102.5	111.8
[R] = [Q] / (1 + [P])	Initial Dry Density (0.1pcf)	99.9	94.2	103.2
[S]=[P]x[K]x[R]/([K]x62.3)-[R]	Initial Saturation (0.1%)	43.6%	33.2%	38.8%
[T] = [R] / [L]	Initial Relative Compaction (0.1%)	100.4%	94.7%	103.7%
[U] = [M] X [G]	Final Volume (0.01 cubic inch)	4.60	4.59	4.59
[V] = ([H]-[J]) / [J]	Final Moisture Content (0.1%)	17.3%	18.2%	17.7%
[W] = [H] / [U] * 3.81	Final Wet Density (0.1pcf)	117.3	111.7	121.7
[X] = [W] / (1 + [V])	Final Dry Density (0.1pcf)	100.0	94.5	103.4
[Y]= [V]x[K]x[X]/([K]x62.3)-[X]	Final Saturation (0.1%)	68.5%	63.0%	76.2%
[Z] = [X] / [L]	Final Relative Compaction (0.1%)	100.5%	95.0%	104.0%



Cohesion (psf)	240
Friction Angle (degrees)	30

Remarks:

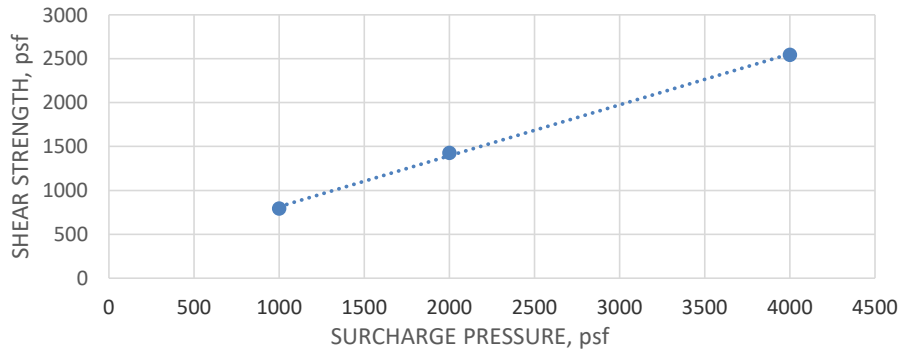
Reviewed by: JF

JD & S Testing

Direct Shear Moisture Content & Density

Project Name:	650-700 PCH	Project Number:	185804814
Sampled By:	Client	Sample Date: 5/29/2020	Lab #:
Source/Location:	B2-10'	Tested By:	M.P.
Description:		Test Date:	6/20/2020

	Shearing Rate (in./min.)	0.040		
	Normal Pressure (psf)	1000	2000	4000
[A]	Initial Weight of Wet Soil + Ring (0.1g)	177.7	177.4	178.2
[B]	Weight of Ring (0.1g)	46.1	45.9	46.0
[C] = [A] - [B]	Initial Weight of Wet Soil (0.1g)	131.6	131.5	132.2
[D]	Initial Reading Time	0.0000	0.0000	0.0000
	Time			
	Time			
	Time			
[E]	Final Reading Time			
[F] = [E] - [D]	Height Change	0.0052	0.0010	0.0032
[G] = 1 - [F]	Final Height	0.9948	0.9990	0.9968
	Shear Strength (psf)	792	1428	2544
[H]	Final Weight of Wet Soil (0.1g)	138.8	140.4	142.8
[J]	Weight of Dry Soil (0.1g)	116.3	118.5	120.3
[K]	Specific Gravity	2.7		
[L]	Average Maximum Dry Density (0.1pcf)	98.4		
[M]	Initial Volume (0.01 cubic inch)	4.60	4.60	4.60
[P] = ([C] - [J]) / [J]	Initial Moisture Content (0.1%)	13.2%	11.0%	9.9%
[Q] = [C] / [M] * 3.81	Initial Wet Density (0.1pcf)	109.0	108.9	109.5
[R] = [Q] / (1 + [P])	Initial Dry Density (0.1pcf)	96.3	98.1	99.6
[S]=[P]x[K]x[R]/([K]x62.3)-[R]	Initial Saturation (0.1%)	53.9%	46.0%	42.6%
[T] = [R] / [L]	Initial Relative Compaction (0.1%)	97.9%	99.7%	101.2%
[U] = [M] X [G]	Final Volume (0.01 cubic inch)	4.58	4.60	4.59
[V] = ([H]-[J]) / [J]	Final Moisture Content (0.1%)	19.3%	18.5%	18.7%
[W] = [H] / [U] * 3.81	Final Wet Density (0.1pcf)	115.6	116.4	118.7
[X] = [W] / (1 + [V])	Final Dry Density (0.1pcf)	96.8	98.2	100.0
[Y]= [V]x[K]x[X]/([K]x62.3)-[X]	Final Saturation (0.1%)	70.9%	70.1%	74.0%
[Z] = [X] / [L]	Final Relative Compaction (0.1%)	98.4%	99.8%	101.6%



Cohesion (psf)	240
Friction Angle (degrees)	30

Remarks:

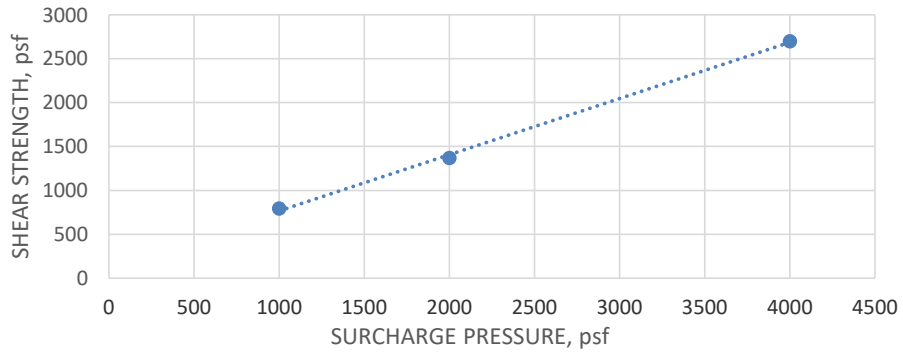
Reviewed by: JF

JD & S Testing

Direct Shear Moisture Content & Density

Project Name:	650-700 PCH	Project Number:	185804814
Sampled By:	Client	Sample Date:	5/29/2020
Source/Location:	B3-5'	Lab #:	
Description:		Tested By:	M.P.
		Test Date:	6/20/2020

	Shearing Rate (in./min.)		0.040		
	Normal Pressure (psf)		1000	2000	4000
[A]	Initial Weight of Wet Soil + Ring (0.1g)		190.5	187.0	194.0
[B]	Weight of Ring (0.1g)		47.2	45.6	44.7
[C] = [A] - [B]	Initial Weight of Wet Soil (0.1g)		143.3	141.4	149.3
[D]	Initial Reading	Time	0.0000	0.0000	0.0000
		Time			
		Time			
		Time			
[E]	Final Reading	Time			
[F] = [E] - [D]	Height Change		0.0012	0.0005	0.0086
[G] = 1 - [F]	Final Height		0.9988	0.9995	0.9914
	Shear Strength (psf)		792	1368	2700
[H]	Final Weight of Wet Soil (0.1g)		151.2	147.3	150.4
[J]	Weight of Dry Soil (0.1g)		129.2	125.2	129.3
[K]	Specific Gravity		2.7		
[L]	Average Maximum Dry Density (0.1pcf)		106.4		
[M]	Initial Volume (0.01 cubic inch)		4.60	4.60	4.60
[P] = ([C] - [J]) / [J]	Initial Moisture Content (0.1%)		10.9%	12.9%	15.5%
[Q] = [C] / [M] * 3.81	Initial Wet Density (0.1pcf)		118.7	117.1	123.7
[R] = [Q] / (1 + [P])	Initial Dry Density (0.1pcf)		107.0	103.7	107.1
[S]=[P]x[K]x[R]/([K]x62.3)-[R]	Initial Saturation (0.1%)		57.1%	63.4%	84.5%
[T] = [R] / [L]	Initial Relative Compaction (0.1%)		100.6%	97.5%	100.7%
[U] = [M] X [G]	Final Volume (0.01 cubic inch)		4.59	4.60	4.56
[V] = ([H]-[J]) / [J]	Final Moisture Content (0.1%)		17.0%	17.7%	16.3%
[W] = [H] / [U] * 3.81	Final Wet Density (0.1pcf)		125.4	122.1	125.7
[X] = [W] / (1 + [V])	Final Dry Density (0.1pcf)		107.1	103.8	108.0
[Y]= [V]x[K]x[X]/([K]x62.3)-[X]	Final Saturation (0.1%)		80.7%	76.7%	79.1%
[Z] = [X] / [L]	Final Relative Compaction (0.1%)		100.7%	97.5%	101.6%



Cohesion (psf)	130
Friction Angle (degrees)	33

Remarks:

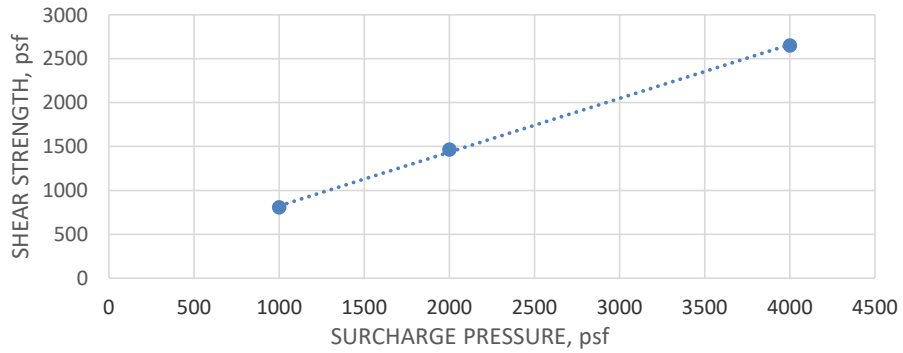
Reviewed by: JF

JD & S Testing

Direct Shear Moisture Content & Density

Project Name:	650-700 PCH	Project Number:	185804814
Sampled By:	Client	Sample Date: 5/29/2020	Lab #:
Source/Location:	B3-15'	Tested By:	M.P.
Description:		Test Date:	6/21/2020

	Shearing Rate (in./min.)		0.040		
	Normal Pressure (psf)		1000	2000	4000
[A]	Initial Weight of Wet Soil + Ring (0.1g)		196.4	195.1	195.6
[B]	Weight of Ring (0.1g)		45.3	42.3	45.1
[C] = [A] - [B]	Initial Weight of Wet Soil (0.1g)		151.1	152.8	150.5
[D]	Initial Reading	Time	0.0000	0.0000	0.0000
		Time			
		Time			
		Time			
[E]	Final Reading	Time			
[F] = [E] - [D]	Height Change		0.0116	0.0039	0.0027
[G] = 1 - [F]	Final Height		0.9884	0.9961	0.9973
	Shear Strength (psf)		804	1464	2652
[H]	Final Weight of Wet Soil (0.1g)		152.7	152.9	151.1
[J]	Weight of Dry Soil (0.1g)		125.3	125.8	124.5
[K]	Specific Gravity		2.7		
[L]	Average Maximum Dry Density (0.1pcf)		104.1		
[M]	Initial Volume (0.01 cubic inch)		4.60	4.60	4.60
[P] = ([C] - [J]) / [J]	Initial Moisture Content (0.1%)		20.6%	21.5%	20.9%
[Q] = [C] / [M] * 3.81	Initial Wet Density (0.1pcf)		125.2	126.6	124.7
[R] = [Q] / (1 + [P])	Initial Dry Density (0.1pcf)		103.8	104.2	103.1
[S]=[P]x[K]x[R]/([K]x62.3)-[R]	Initial Saturation (0.1%)		108.0%	114.6%	108.0%
[T] = [R] / [L]	Initial Relative Compaction (0.1%)		99.7%	100.1%	99.0%
[U] = [M] X [G]	Final Volume (0.01 cubic inch)		4.55	4.58	4.59
[V] = ([H]-[J]) / [J]	Final Moisture Content (0.1%)		21.9%	21.5%	21.4%
[W] = [H] / [U] * 3.81	Final Wet Density (0.1pcf)		128.0	127.1	125.5
[X] = [W] / (1 + [V])	Final Dry Density (0.1pcf)		105.0	104.6	103.4
[Y]= [V]x[K]x[X]/([K]x62.3)-[X]	Final Saturation (0.1%)		98.1%	95.7%	92.0%
[Z] = [X] / [L]	Final Relative Compaction (0.1%)		100.8%	100.5%	99.3%



Cohesion (psf)	210
Friction Angle (degrees)	32

Remarks:

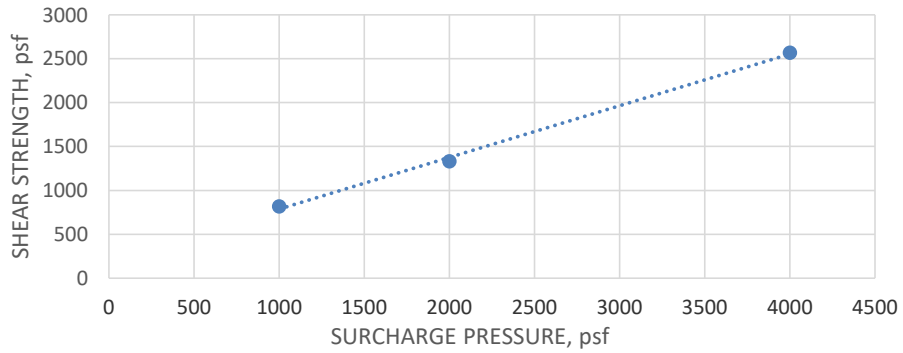
Reviewed by: JF

JD & S Testing

Direct Shear Moisture Content & Density

Project Name:	650-700 PCH	Project Number:	185804814
Sampled By:	Client	Sample Date: 5/29/2020	Lab #:
Source/Location:	P1-10'	Tested By:	M.P.
Description:		Test Date:	6/21/2020

	Shearing Rate (in./min.)		0.040		
	Normal Pressure (psf)		1000	2000	4000
[A]	Initial Weight of Wet Soil + Ring (0.1g)		196.2	190.4	186.1
[B]	Weight of Ring (0.1g)		45.5	45.2	45.0
[C] = [A] - [B]	Initial Weight of Wet Soil (0.1g)		150.7	145.2	141.1
[D]	Initial Reading	Time	0.0000	0.0000	0.0000
		Time			
		Time			
		Time			
[E]	Final Reading	Time			
[F] = [E] - [D]	Height Change		0.0158	0.0192	0.0143
[G] = 1 - [F]	Final Height		0.9842	0.9808	0.9857
	Shear Strength (psf)		816	1332	2568
[H]	Final Weight of Wet Soil (0.1g)		156.0	152.8	147.0
[J]	Weight of Dry Soil (0.1g)		134.8	131.9	127.1
[K]	Specific Gravity		2.7		
[L]	Average Maximum Dry Density (0.1pcf)		109.2		
[M]	Initial Volume (0.01 cubic inch)		4.60	4.60	4.60
[P] = ([C] - [J]) / [J]	Initial Moisture Content (0.1%)		11.8%	10.1%	11.0%
[Q] = [C] / [M] * 3.81	Initial Wet Density (0.1pcf)		124.8	120.3	116.9
[R] = [Q] / (1 + [P])	Initial Dry Density (0.1pcf)		111.6	109.2	105.3
[S]=[P]x[K]x[R]/([K]x62.3)-[R]	Initial Saturation (0.1%)		70.3%	55.5%	55.2%
[T] = [R] / [L]	Initial Relative Compaction (0.1%)		102.3%	100.1%	96.4%
[U] = [M] X [G]	Final Volume (0.01 cubic inch)		4.53	4.51	4.53
[V] = ([H]-[J]) / [J]	Final Moisture Content (0.1%)		15.7%	15.8%	15.7%
[W] = [H] / [U] * 3.81	Final Wet Density (0.1pcf)		131.3	129.0	123.5
[X] = [W] / (1 + [V])	Final Dry Density (0.1pcf)		113.4	111.4	106.8
[Y]= [V]x[K]x[X]/([K]x62.3)-[X]	Final Saturation (0.1%)		88.0%	83.9%	73.5%
[Z] = [X] / [L]	Final Relative Compaction (0.1%)		103.9%	102.0%	97.8%



Cohesion (psf)	200
Friction Angle (degrees)	30

Remarks:

Reviewed by: JF

AP Engineering and Testing, Inc.
DBE|MBE|SBE
2607 Pomona Boulevard | Pomona, CA 91768
t. 909.869.6316 | f. 909.869.6318 | www.aplaboratory.com

CORROSION TEST RESULTS

Client Name: Stantec Consulting, Inc.
Project Name: 650-700 PCH
Project No.: 185804814

AP Job No.: 20-0619
Date: 06/10/20

Boring No.	Sample Type	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B3	Bulk	-	Silty Sand	9399	8.4	44	33
P1	Bulk	-	Silty Sand	10101	8.2	49	36

NOTES: Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
ND = Not Detectable
NA = Not Sufficient Sample
NR = Not Requested

APPENDIX C
LIQUEFACTION ANALYSIS

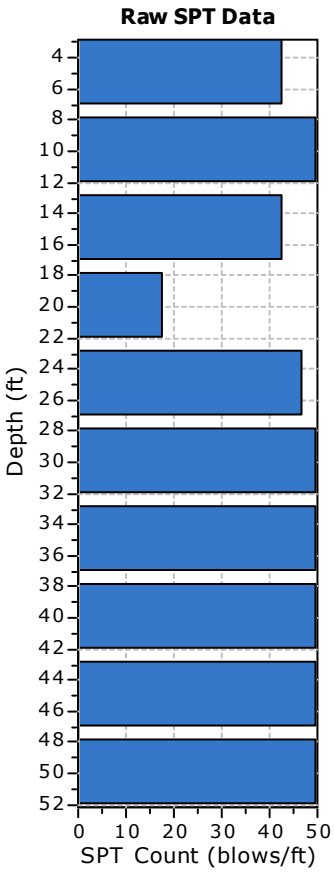
SPT BASED LIQUEFACTION ANALYSIS REPORT

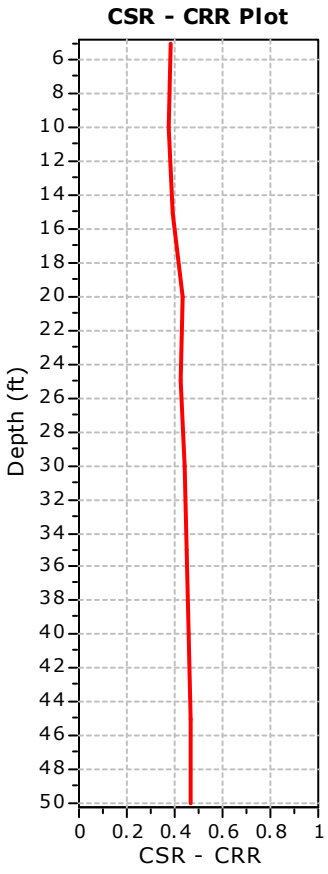
Project title : **SPT Name: P1**

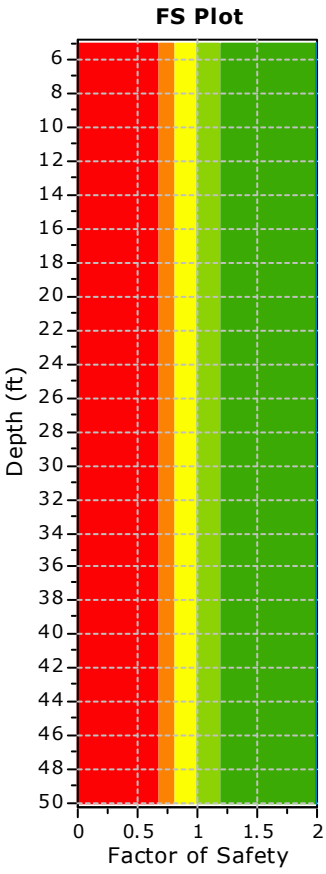
Location :

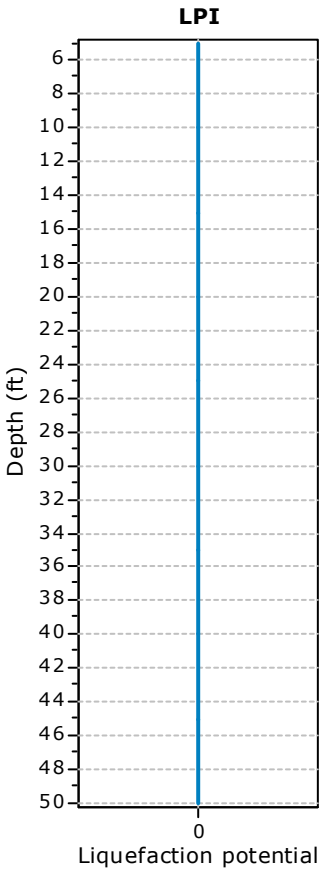
:: Input parameters and analysis properties ::

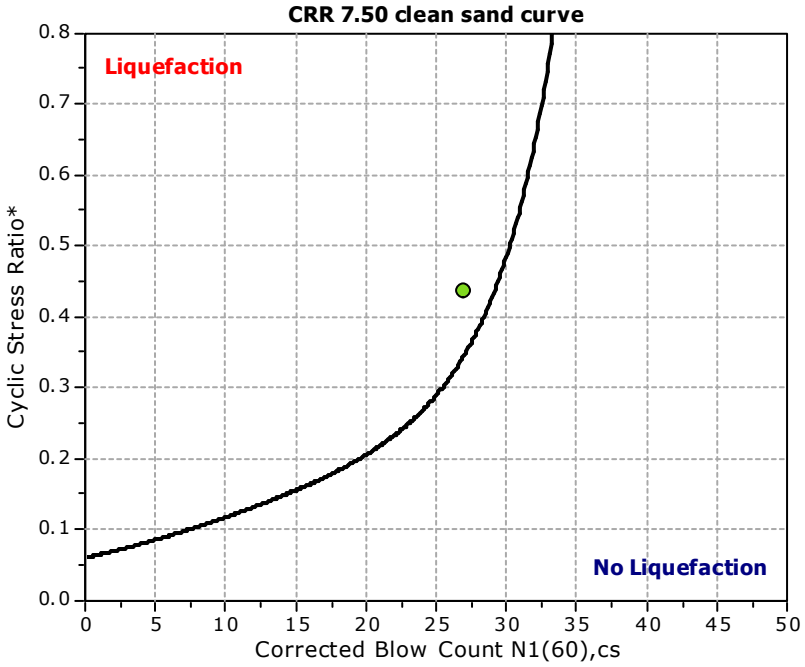
Analysis method:	Boulanger & Idriss, 2014	G.W.T. (in-situ):	121.00 ft
Fines correction method:	Boulanger & Idriss, 2014	G.W.T. (earthq.):	121.00 ft
Sampling method:	Sampler wo liners	Earthquake magnitude M_w:	6.69
Borehole diameter:	200mm	Peak ground acceleration:	0.88 g
Rod length:	3.30 ft	Eq. external load:	0.00 tsf
Hammer energy ratio:	1.20		











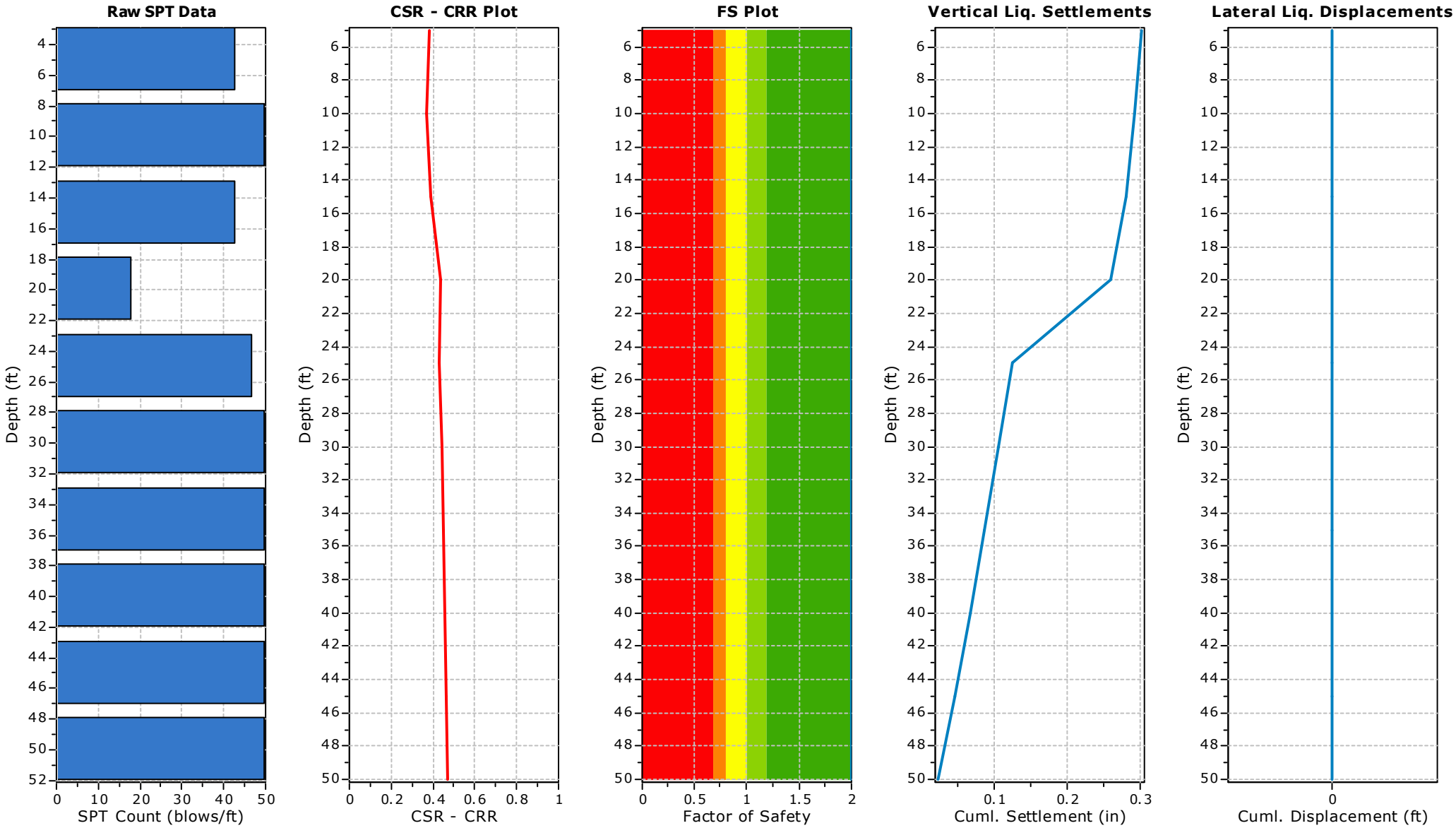
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (ft)	SPT Field Value (blows)	Fines Content (%)	Unit Weight (pcf)	Infl. Thickness (ft)	Can Liquefy
5.00	43	10.00	130.00	5.00	No
10.00	50	10.00	135.00	5.00	No
15.00	43	10.00	130.00	5.00	No
20.00	18	10.00	120.00	5.00	No
25.00	47	10.00	130.00	5.00	No
30.00	50	10.00	135.00	5.00	No
35.00	50	10.00	135.00	5.00	No
40.00	50	10.00	135.00	5.00	Yes
45.00	50	10.00	135.00	5.00	Yes
50.00	50	8.00	135.00	5.00	Yes

Abbreviations

Depth: Depth at which test was performed (ft)
SPT Field Value: Number of blows per foot
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (pcf)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (ft)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Cyclic Resistance Ratio (CRR) calculation data ::

Depth (ft)	SPT Field Value	Unit Weight (pcf)	σ_v (tsf)	u_o (tsf)	σ'_{vo} (tsf)	m	C_N	C_E	C_B	C_R	C_S	$(N_1)_{60}$	FC (%)	$\Delta(N_1)_{60}$	$(N_1)_{60cs}$	$CRR_{7.5}$
5.00	43	130.00	0.33	0.00	0.33	0.26	1.36	1.20	1.15	0.75	1.20	73	10.00	1.15	74	4.000
10.00	50	135.00	0.66	0.00	0.66	0.26	1.13	1.20	1.15	0.85	1.20	80	10.00	1.15	81	4.000
15.00	43	130.00	0.99	0.00	0.99	0.26	1.02	1.20	1.15	0.85	1.20	62	10.00	1.15	63	4.000
20.00	18	120.00	1.29	0.00	1.29	0.38	0.93	1.20	1.15	0.95	1.20	26	10.00	1.15	27	4.000
25.00	47	130.00	1.61	0.00	1.61	0.26	0.90	1.20	1.15	0.95	1.20	66	10.00	1.15	67	4.000
30.00	50	135.00	1.95	0.00	1.95	0.26	0.85	1.20	1.15	1.00	1.20	70	10.00	1.15	71	4.000
35.00	50	135.00	2.29	0.00	2.29	0.26	0.82	1.20	1.15	1.00	1.20	68	10.00	1.15	69	4.000
40.00	50	135.00	2.63	0.00	2.63	0.26	0.79	1.20	1.15	1.00	1.20	65	10.00	1.15	66	4.000
45.00	50	135.00	2.96	0.00	2.96	0.26	0.76	1.20	1.15	1.00	1.20	63	10.00	1.15	64	4.000
50.00	50	135.00	3.30	0.00	3.30	0.26	0.74	1.20	1.15	1.00	1.20	61	8.00	0.37	61	4.000

Abbreviations

σ_v: Total stress during SPT test (tsf)
u_o: Water pore pressure during SPT test (tsf)
σ'_{vo}: Effective overburden pressure during SPT test (tsf)
m: Stress exponent normalization factor
C_N: Overburden corretion factor
C_E: Energy correction factor
C_B: Borehole diameter correction factor
C_R: Rod length correction factor
C_S: Liner correction factor
$N_{1(60)}$: Corrected N_{SPT} to a 60% energy ratio
$\Delta(N_1)_{60}$ Equivalent clean sand adjustment
$N_{1(60)cs}$: Corected $N_{1(60)}$ value for fines content
$CRR_{7.5}$: Cydic resistance ratio for M=7.5

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS
5.00	130.00	0.33	0.00	0.33	0.99	1.00	0.566	2.20	74	1.36	0.417	1.10	0.379	2.000

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS	
10.00	135.00	0.66	0.00	0.66	0.97	1.00	0.554	2.20	81	1.36	0.408	1.10	0.371	2.000	●
15.00	130.00	0.99	0.00	0.99	0.94	1.00	0.540	2.20	63	1.36	0.398	1.02	0.390	2.000	●
20.00	120.00	1.29	0.00	1.29	0.92	1.00	0.525	1.82	27	1.25	0.422	0.97	0.437	2.000	●
25.00	130.00	1.61	0.00	1.61	0.89	1.00	0.509	2.20	67	1.36	0.375	0.88	0.428	2.000	●
30.00	135.00	1.95	0.00	1.95	0.86	1.00	0.492	2.20	71	1.36	0.362	0.82	0.442	2.000	●
35.00	135.00	2.29	0.00	2.29	0.83	1.00	0.474	2.20	69	1.36	0.349	0.77	0.452	2.000	●
40.00	135.00	2.63	0.00	2.63	0.80	1.00	0.456	2.20	66	1.36	0.336	0.73	0.459	2.000	●
45.00	135.00	2.96	0.00	2.96	0.77	1.00	0.439	2.20	64	1.36	0.323	0.70	0.464	2.000	●
50.00	135.00	3.30	0.00	3.30	0.74	1.00	0.421	2.20	61	1.36	0.311	0.66	0.467	2.000	●

Abbreviations

$\sigma_{v,eq}$: Total overburden pressure at test point, during earthquake (tsf)
$u_{o,eq}$: Water pressure at test point, during earthquake (tsf)
$\sigma'_{vo,eq}$: Effective overburden pressure, during earthquake (tsf)
r_d: Nonlinear shear mass factor
α: Improvement factor due to stone columns
CSR : Cydic Stress Ratio
MSF : Magnitude Scaling Factor
$CSR_{eq,M=7.5}$: CSR adjusted for M=7.5
K_{sigma}: Effective overburden stress factor
CSR^*: CSR fully adjusted (user FS applied)***
FS: Calculated factor of safety against soil liquefaction

*** User FS: 1.00

:: Liquefaction potential according to Iwasaki ::

Depth (ft)	FS	F	wz	Thickness (ft)	I_L
5.00	2.000	0.00	9.24	5.00	0.00
10.00	2.000	0.00	8.48	5.00	0.00
15.00	2.000	0.00	7.71	5.00	0.00
20.00	2.000	0.00	6.95	5.00	0.00
25.00	2.000	0.00	6.19	5.00	0.00
30.00	2.000	0.00	5.43	5.00	0.00
35.00	2.000	0.00	4.67	5.00	0.00
40.00	2.000	0.00	3.90	5.00	0.00
45.00	2.000	0.00	3.14	5.00	0.00
50.00	2.000	0.00	2.38	5.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction
I_L between 0.00 and 5 - Liquefaction not probable
I_L between 5 and 15 - Liquefaction probable
I_L > 15 - Liquefaction certain

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
5.00	73	0.18	0.22	0.88	0.14	12561.74	0.00	0.00	8.56	0.01	5.00	0.010
10.00	80	0.37	0.44	1.29	0.15	8193.48	0.00	0.00	8.56	0.01	5.00	0.011
15.00	62	0.53	0.66	1.45	0.16	6448.49	0.00	0.00	8.56	0.02	5.00	0.021
20.00	26	0.68	0.86	1.25	0.17	5499.61	0.00	0.00	8.56	0.11	5.00	0.134

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
25.00	66	0.82	1.08	1.89	0.19	4804.85	0.00	0.00	8.56	0.02	5.00	0.020
30.00	70	0.96	1.31	2.12	0.20	4287.06	0.00	0.00	8.56	0.02	5.00	0.018
35.00	68	1.08	1.53	2.27	0.21	3895.50	0.00	0.00	8.56	0.02	5.00	0.020
40.00	65	1.20	1.76	2.40	0.23	3586.76	0.00	0.00	8.56	0.02	5.00	0.021
45.00	63	1.30	1.98	2.52	0.24	3335.68	0.00	0.00	8.56	0.02	5.00	0.022
50.00	61	1.39	2.21	2.62	0.25	3126.59	0.00	0.00	8.56	0.02	5.00	0.024

Cumulative settlemetns: 0.302

Abbreviations

τ_{av}: Average cyclic shear stress
p: Average stress
G_{max}: Maximum shear modulus (tsf)
α, b: Shear strain formula variables
γ: Average shear strain
ε_{15}: Volumetric strain after 15 cycles
N_c: Number of cycles
ε_{Nc}: Volumetric strain for number of cycles N_c (%)
Δh: Thickness of soil layer (in)
ΔS: Settlement of soil layer (in)

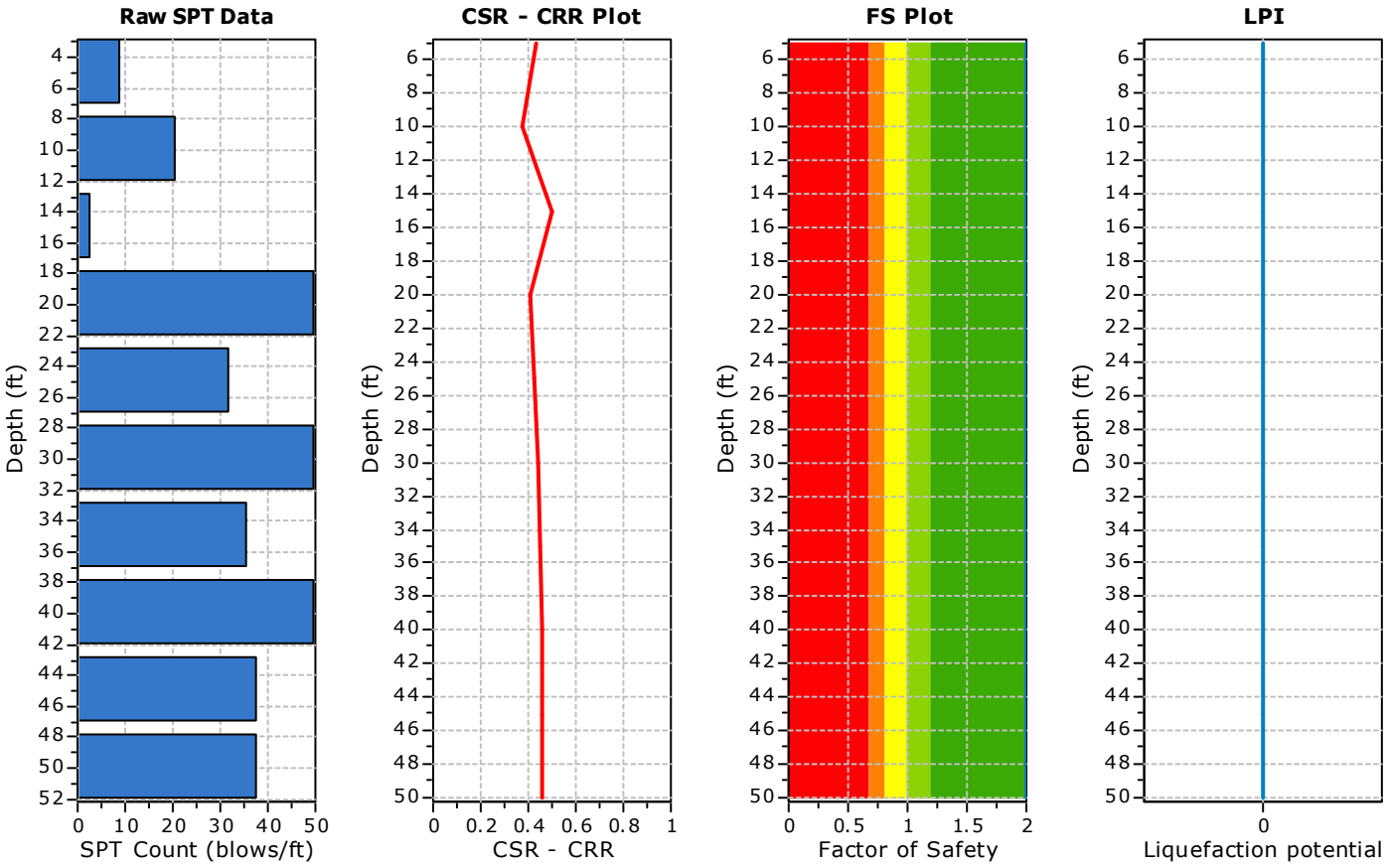
SPT BASED LIQUEFACTION ANALYSIS REPORT

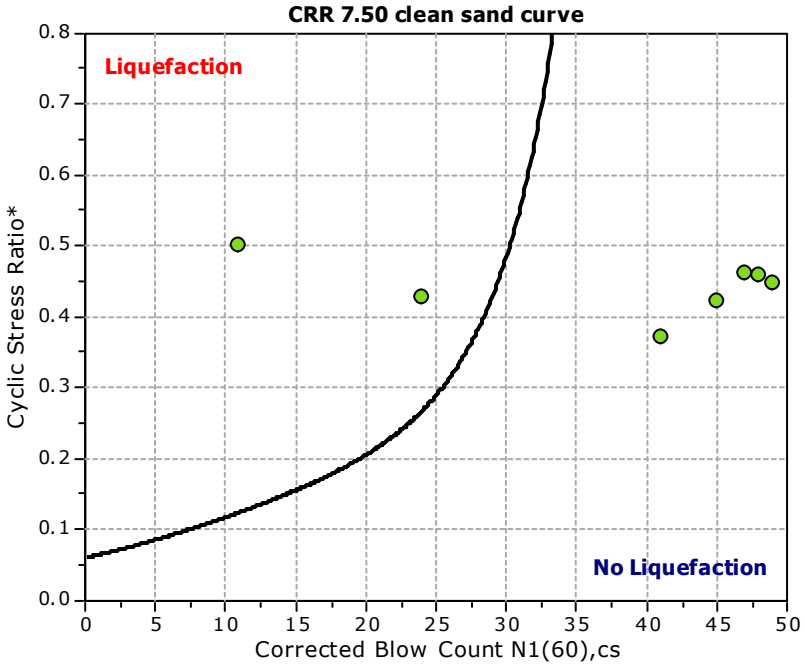
Project title : **SPT Name: P2**

Location :

:: Input parameters and analysis properties ::

Analysis method:	Boulanger & Idriss, 2014	G.W.T. (in-situ):	121.00 ft
Fines correction method:	Boulanger & Idriss, 2014	G.W.T. (earthq.):	121.00 ft
Sampling method:	Sampler wo liners	Earthquake magnitude M_w:	6.69
Borehole diameter:	200mm	Peak ground acceleration:	0.88 g
Rod length:	3.30 ft	Eq. external load:	0.00 tsf
Hammer energy ratio:	1.20		





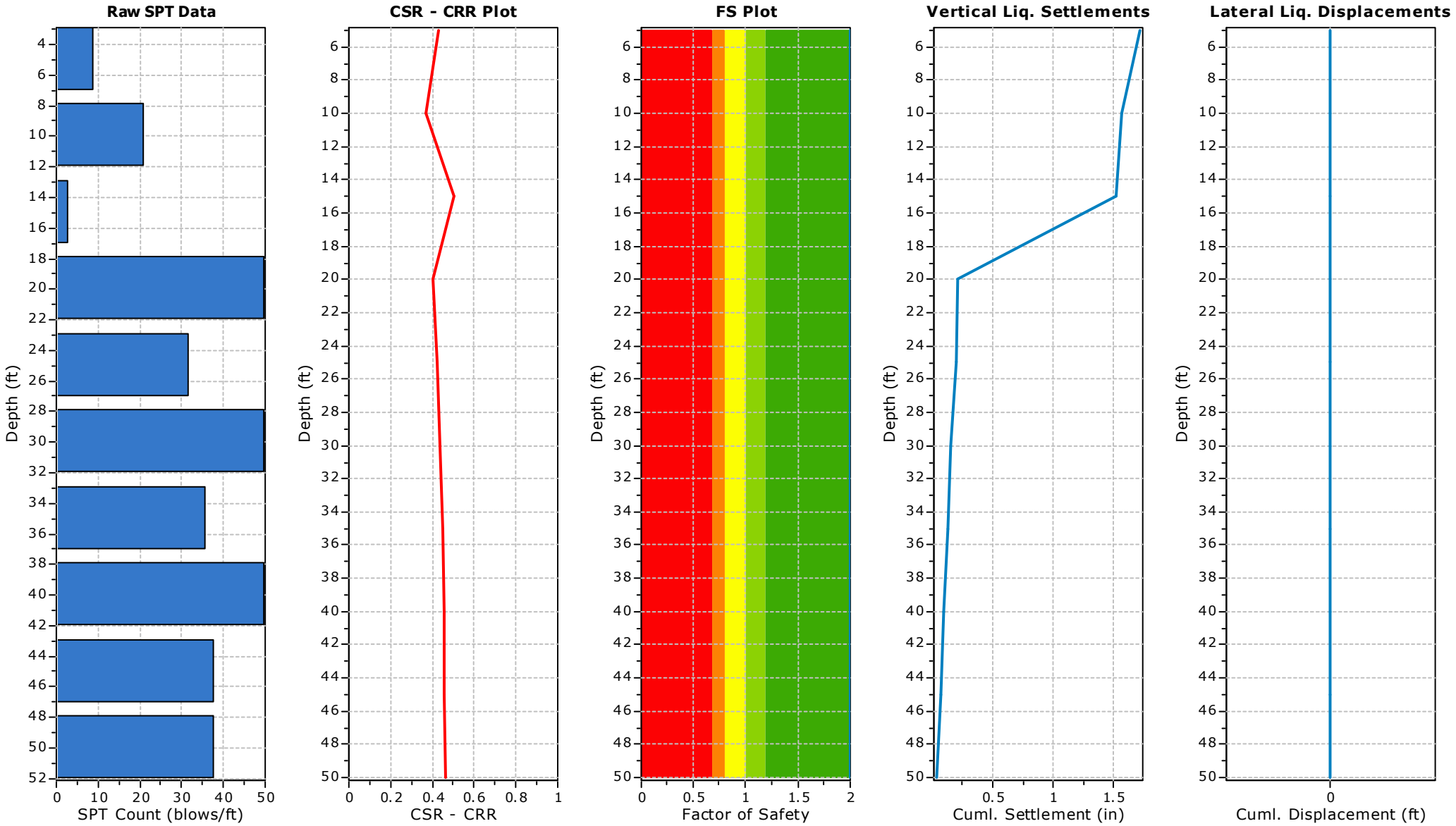
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (ft)	SPT Field Value (blows)	Fines Content (%)	Unit Weight (pcf)	Infl. Thickness (ft)	Can Liquefy
5.00	9	38.00	120.00	5.00	No
10.00	21	40.00	125.00	5.00	No
15.00	3	51.00	115.00	5.00	No
20.00	50	51.00	135.00	5.00	No
25.00	32	5.00	130.00	5.00	No
30.00	50	5.00	135.00	5.00	No
35.00	36	5.00	130.00	5.00	No
40.00	50	5.00	135.00	5.00	Yes
45.00	38	5.00	130.00	5.00	Yes
50.00	38	7.00	130.00	5.00	Yes

Abbreviations

Depth: Depth at which test was performed (ft)
SPT Field Value: Number of blows per foot
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (pcf)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (ft)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Cyclic Resistance Ratio (CRR) calculation data ::

Depth (ft)	SPT Field Value	Unit Weight (pcf)	σ_v (tsf)	u_o (tsf)	σ'_{vo} (tsf)	m	C_N	C_E	C_B	C_R	C_S	$(N_1)_{60}$	FC (%)	$\Delta(N_1)_{60}$	$(N_1)_{60cs}$	$CRR_{7.5}$
5.00	9	120.00	0.30	0.00	0.30	0.38	1.62	1.20	1.15	0.75	1.20	18	38.00	5.55	24	4.000
10.00	21	125.00	0.61	0.00	0.61	0.29	1.17	1.20	1.15	0.85	1.20	35	40.00	5.58	41	4.000
15.00	3	115.00	0.90	0.00	0.90	0.53	1.09	1.20	1.15	0.85	1.20	5	51.00	5.61	11	4.000
20.00	50	135.00	1.24	0.00	1.24	0.26	0.96	1.20	1.15	0.95	1.20	75	51.00	5.61	81	4.000
25.00	32	130.00	1.56	0.00	1.56	0.27	0.90	1.20	1.15	0.95	1.20	45	5.00	0.00	45	4.000
30.00	50	135.00	1.90	0.00	1.90	0.26	0.86	1.20	1.15	1.00	1.20	71	5.00	0.00	71	4.000
35.00	36	130.00	2.23	0.00	2.23	0.26	0.82	1.20	1.15	1.00	1.20	49	5.00	0.00	49	4.000
40.00	50	135.00	2.56	0.00	2.56	0.26	0.79	1.20	1.15	1.00	1.20	66	5.00	0.00	66	4.000
45.00	38	130.00	2.89	0.00	2.89	0.26	0.77	1.20	1.15	1.00	1.20	48	5.00	0.00	48	4.000
50.00	38	130.00	3.21	0.00	3.21	0.26	0.75	1.20	1.15	1.00	1.20	47	7.00	0.14	47	4.000

Abbreviations

σ_v: Total stress during SPT test (tsf)
u_o: Water pore pressure during SPT test (tsf)
σ'_{vo}: Effective overburden pressure during SPT test (tsf)
m: Stress exponent normalization factor
C_N: Overburden corretion factor
C_E: Energy correction factor
C_B: Borehole diameter correction factor
C_R: Rod length correction factor
C_S: Liner correction factor
$N_{1(60)}$: Corrected N_{SPT} to a 60% energy ratio
$\Delta(N_1)_{60}$ Equivalent clean sand adjustment
$N_{1(60)cs}$: Corected $N_{1(60)}$ value for fines content
$CRR_{7.5}$: Cydic resistance ratio for M=7.5

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS
5.00	120.00	0.30	0.00	0.30	0.99	1.00	0.566	1.67	24	1.20	0.472	1.10	0.429	2.000

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS	
10.00	125.00	0.61	0.00	0.61	0.97	1.00	0.554	2.20	41	1.36	0.408	1.10	0.371	2.000	●
15.00	115.00	0.90	0.00	0.90	0.94	1.00	0.540	1.21	11	1.06	0.508	1.02	0.501	2.000	●
20.00	135.00	1.24	0.00	1.24	0.92	1.00	0.525	2.20	81	1.36	0.387	0.95	0.406	2.000	●
25.00	130.00	1.56	0.00	1.56	0.89	1.00	0.509	2.20	45	1.36	0.375	0.88	0.424	2.000	●
30.00	135.00	1.90	0.00	1.90	0.86	1.00	0.492	2.20	71	1.36	0.362	0.83	0.438	2.000	●
35.00	130.00	2.23	0.00	2.23	0.83	1.00	0.474	2.20	49	1.36	0.349	0.78	0.448	2.000	●
40.00	135.00	2.56	0.00	2.56	0.80	1.00	0.456	2.20	66	1.36	0.336	0.74	0.455	2.000	●
45.00	130.00	2.89	0.00	2.89	0.77	1.00	0.439	2.20	48	1.36	0.323	0.70	0.459	2.000	●
50.00	130.00	3.21	0.00	3.21	0.74	1.00	0.421	2.20	47	1.36	0.311	0.67	0.462	2.000	●

Abbreviations

$\sigma_{v,eq}$: Total overburden pressure at test point, during earthquake (tsf)
$u_{o,eq}$: Water pressure at test point, during earthquake (tsf)
$\sigma'_{vo,eq}$: Effective overburden pressure, during earthquake (tsf)
r_d: Nonlinear shear mass factor
α: Improvement factor due to stone columns
CSR : Cydic Stress Ratio
MSF : Magnitude Scaling Factor
$CSR_{eq,M=7.5}$: CSR adjusted for M=7.5
K_{sigma}: Effective overburden stress factor
CSR^*: CSR fully adjusted (user FS applied)***
FS: Calculated factor of safety against soil liquefaction

*** User FS: 1.00

:: Liquefaction potential according to Iwasaki ::

Depth (ft)	FS	F	wz	Thickness (ft)	I_L
5.00	2.000	0.00	9.24	5.00	0.00
10.00	2.000	0.00	8.48	5.00	0.00
15.00	2.000	0.00	7.71	5.00	0.00
20.00	2.000	0.00	6.95	5.00	0.00
25.00	2.000	0.00	6.19	5.00	0.00
30.00	2.000	0.00	5.43	5.00	0.00
35.00	2.000	0.00	4.67	5.00	0.00
40.00	2.000	0.00	3.90	5.00	0.00
45.00	2.000	0.00	3.14	5.00	0.00
50.00	2.000	0.00	2.38	5.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction
I_L between 0.00 and 5 - Liquefaction not probable
I_L between 5 and 15 - Liquefaction probable
I_L > 15 - Liquefaction certain

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
5.00	18	0.17	0.20	0.58	0.14	13179.75	0.00	0.00	8.56	0.12	5.00	0.146
10.00	35	0.34	0.41	0.99	0.15	8588.48	0.00	0.00	8.56	0.04	5.00	0.045
15.00	5	0.49	0.60	0.77	0.16	6817.65	0.01	0.01	8.56	1.10	5.00	1.316
20.00	75	0.65	0.83	1.76	0.17	5631.87	0.00	0.00	8.56	0.01	5.00	0.013

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
25.00	45	0.80	1.05	1.63	0.18	4896.52	0.00	0.00	8.56	0.04	5.00	0.044
30.00	71	0.93	1.27	2.09	0.20	4354.39	0.00	0.00	8.56	0.02	5.00	0.018
35.00	49	1.05	1.49	2.00	0.21	3960.79	0.00	0.00	8.56	0.03	5.00	0.038
40.00	66	1.17	1.72	2.37	0.22	3639.00	0.00	0.00	8.56	0.02	5.00	0.021
45.00	48	1.27	1.93	2.26	0.24	3387.40	0.00	0.00	8.56	0.03	5.00	0.038
50.00	47	1.35	2.15	2.37	0.25	3177.42	0.00	0.00	8.56	0.03	5.00	0.039

Cumulative settlemetns: 1.718

Abbreviations

τ_{av}: Average cyclic shear stress
p: Average stress
G_{max}: Maximum shear modulus (tsf)
α, b: Shear strain formula variables
γ: Average shear strain
ε_{15}: Volumetric strain after 15 cycles
N_c: Number of cycles
ε_{Nc}: Volumetric strain for number of cycles N_c (%)
Δh: Thickness of soil layer (in)
ΔS: Settlement of soil layer (in)

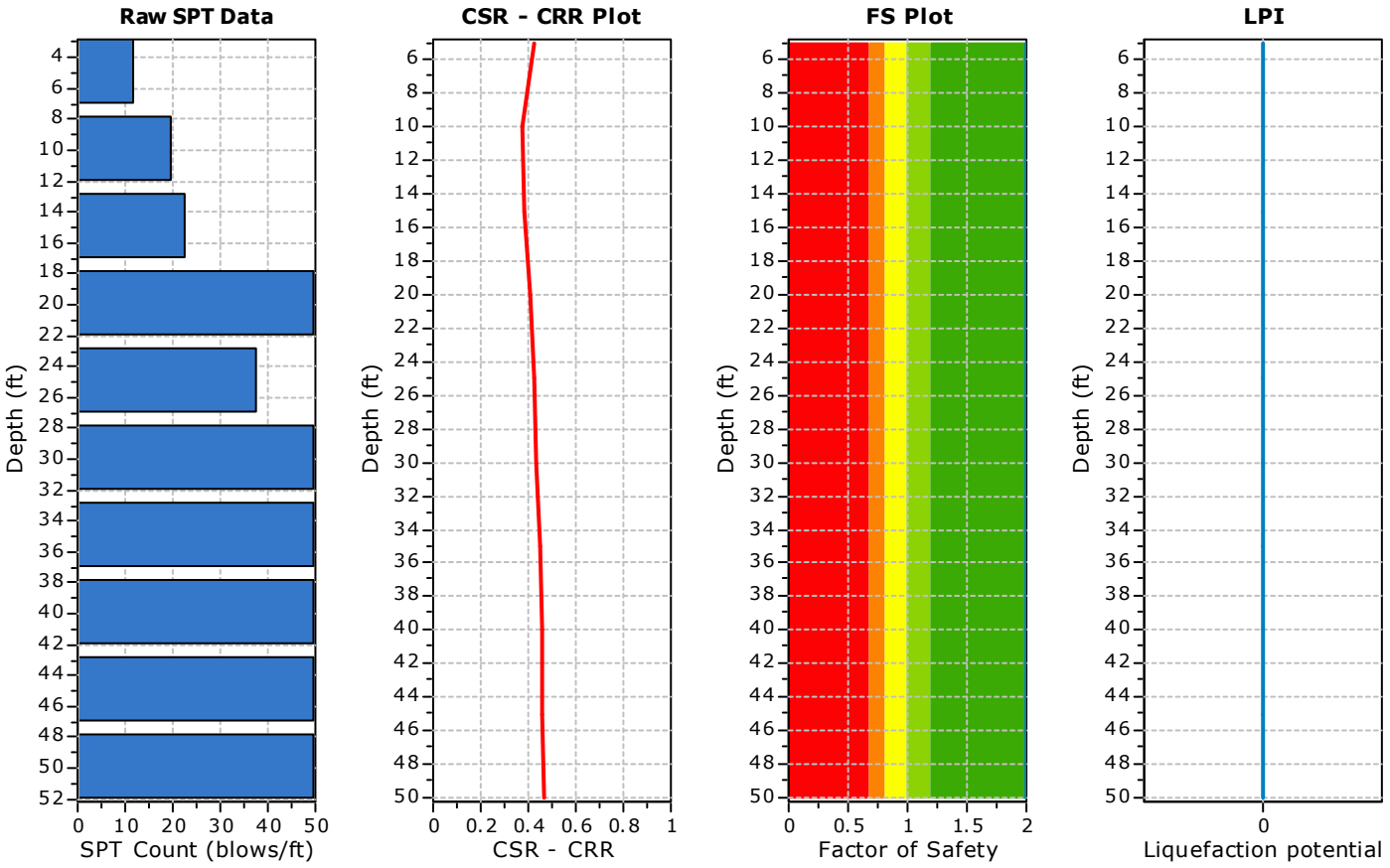
SPT BASED LIQUEFACTION ANALYSIS REPORT

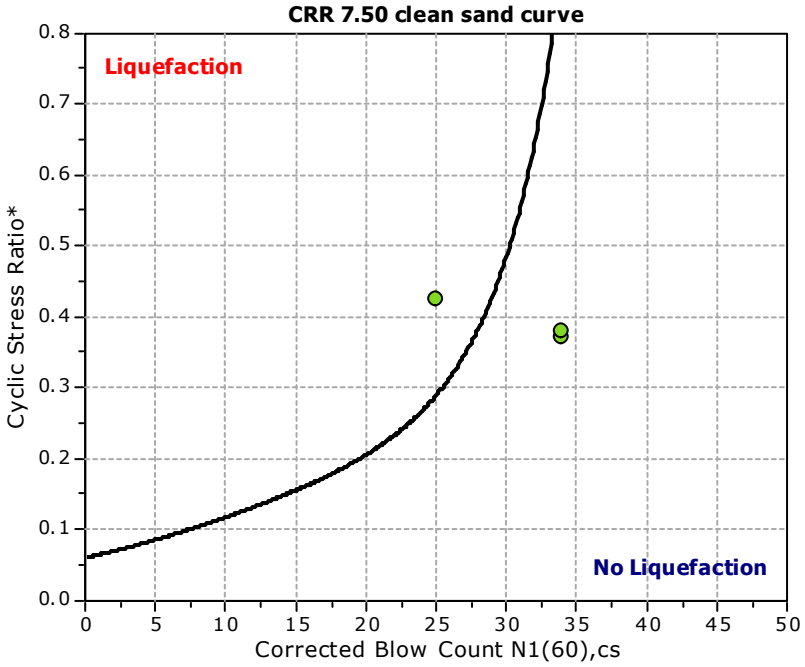
Project title : **SPT Name: P3**

Location :

:: Input parameters and analysis properties ::

Analysis method:	Boulanger & Idriss, 2014	G.W.T. (in-situ):	121.00 ft
Fines correction method:	Boulanger & Idriss, 2014	G.W.T. (earthq.):	121.00 ft
Sampling method:	Sampler wo liners	Earthquake magnitude M_w:	6.69
Borehole diameter:	200mm	Peak ground acceleration:	0.88 g
Rod length:	3.30 ft	Eq. external load:	0.00 tsf
Hammer energy ratio:	1.20		





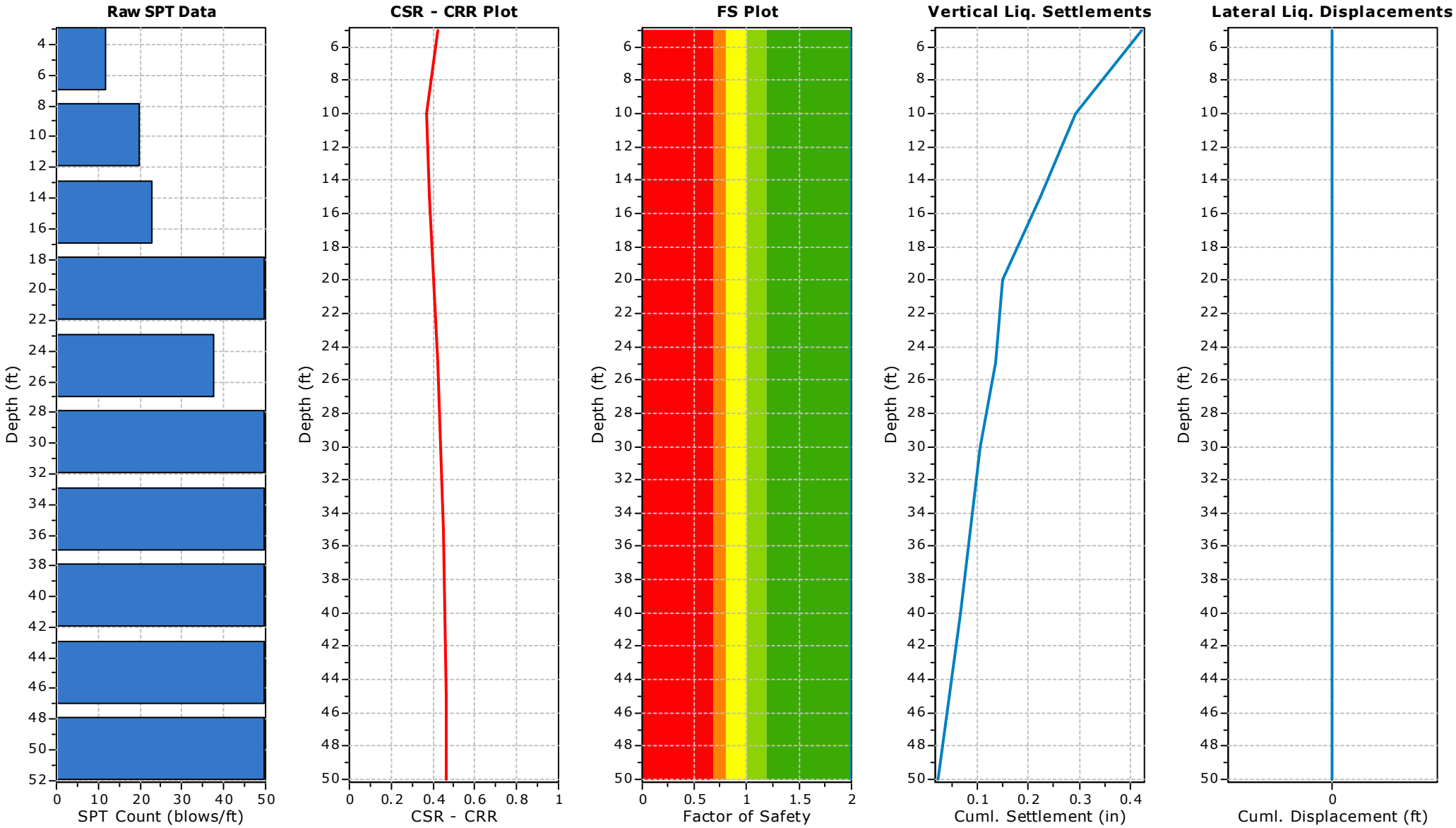
F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Overall Liquefaction Assessment Analysis Plots ::



:: Field input data ::

Test Depth (ft)	SPT Field Value (blows)	Fines Content (%)	Unit Weight (pcf)	Infl. Thickness (ft)	Can Liquefy
5.00	12	0.00	115.00	5.00	No
10.00	20	0.00	120.00	5.00	No
15.00	23	0.00	120.00	5.00	No
20.00	50	0.00	135.00	5.00	No
25.00	38	0.00	130.00	5.00	No
30.00	50	0.00	135.00	5.00	No
35.00	50	0.00	135.00	5.00	No
40.00	50	0.00	135.00	5.00	No
45.00	50	0.00	135.00	5.00	No
50.00	50	0.00	135.00	5.00	No

Abbreviations

Depth: Depth at which test was performed (ft)
SPT Field Value: Number of blows per foot
Fines Content: Fines content at test depth (%)
Unit Weight: Unit weight at test depth (pcf)
Infl. Thickness: Thickness of the soil layer to be considered in settlements analysis (ft)
Can Liquefy: User defined switch for excluding/including test depth from the analysis procedure

:: Cyclic Resistance Ratio (CRR) calculation data ::

Depth (ft)	SPT Field Value	Unit Weight (pcf)	σ_v (tsf)	u_o (tsf)	σ'_{vo} (tsf)	m	C_N	C_E	C_B	C_R	C_S	$(N_1)_{60}$	FC (%)	$\Delta(N_1)_{60}$	$(N_1)_{60cs}$	$CRR_{7.5}$
5.00	12	115.00	0.29	0.00	0.29	0.40	1.68	1.20	1.15	0.75	1.20	25	0.00	0.00	25	4.000
10.00	20	120.00	0.59	0.00	0.59	0.33	1.22	1.20	1.15	0.85	1.20	34	0.00	0.00	34	4.000
15.00	23	120.00	0.89	0.00	0.89	0.33	1.06	1.20	1.15	0.85	1.20	34	0.00	0.00	34	4.000
20.00	50	135.00	1.23	0.00	1.23	0.26	0.96	1.20	1.15	0.95	1.20	76	0.00	0.00	76	4.000
25.00	38	130.00	1.55	0.00	1.55	0.26	0.90	1.20	1.15	0.95	1.20	54	0.00	0.00	54	4.000
30.00	50	135.00	1.89	0.00	1.89	0.26	0.86	1.20	1.15	1.00	1.20	71	0.00	0.00	71	4.000
35.00	50	135.00	2.23	0.00	2.23	0.26	0.82	1.20	1.15	1.00	1.20	68	0.00	0.00	68	4.000
40.00	50	135.00	2.56	0.00	2.56	0.26	0.79	1.20	1.15	1.00	1.20	66	0.00	0.00	66	4.000
45.00	50	135.00	2.90	0.00	2.90	0.26	0.77	1.20	1.15	1.00	1.20	64	0.00	0.00	64	4.000
50.00	50	135.00	3.24	0.00	3.24	0.26	0.75	1.20	1.15	1.00	1.20	62	0.00	0.00	62	4.000

Abbreviations

σ_v: Total stress during SPT test (tsf)
u_o: Water pore pressure during SPT test (tsf)
σ'_{vo}: Effective overburden pressure during SPT test (tsf)
m: Stress exponent normalization factor
C_N: Overburden corretion factor
C_E: Energy correction factor
C_B: Borehole diameter correction factor
C_R: Rod length correction factor
C_S: Liner correction factor
$N_{1(60)}$: Corrected N_{SPT} to a 60% energy ratio
$\Delta(N_1)_{60}$ Equivalent clean sand adjustment
$N_{1(60)cs}$: Corected $N_{1(60)}$ value for fines content
$CRR_{7.5}$: Cydic resistance ratio for M=7.5

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS
5.00	115.00	0.29	0.00	0.29	0.99	1.00	0.566	1.72	25	1.21	0.466	1.10	0.424	2.000

:: Cyclic Stress Ratio calculation (CSR fully adjusted and normalized) ::

Depth (ft)	Unit Weight (pcf)	$\sigma_{v,eq}$ (tsf)	$u_{o,eq}$ (tsf)	$\sigma'_{vo,eq}$ (tsf)	r_d	α	CSR	MSF_{max}	$(N_1)_{60cs}$	MSF	$CSR_{eq,M=7.5}$	K_{sigma}	CSR^*	FS	
10.00	120.00	0.59	0.00	0.59	0.97	1.00	0.554	2.20	34	1.36	0.408	1.10	0.371	2.000	●
15.00	120.00	0.89	0.00	0.89	0.94	1.00	0.540	2.20	34	1.36	0.398	1.04	0.382	2.000	●
20.00	135.00	1.23	0.00	1.23	0.92	1.00	0.525	2.20	76	1.36	0.387	0.96	0.405	2.000	●
25.00	130.00	1.55	0.00	1.55	0.89	1.00	0.509	2.20	54	1.36	0.375	0.89	0.423	2.000	●
30.00	135.00	1.89	0.00	1.89	0.86	1.00	0.492	2.20	71	1.36	0.362	0.83	0.437	2.000	●
35.00	135.00	2.23	0.00	2.23	0.83	1.00	0.474	2.20	68	1.36	0.349	0.78	0.448	2.000	●
40.00	135.00	2.56	0.00	2.56	0.80	1.00	0.456	2.20	66	1.36	0.336	0.74	0.455	2.000	●
45.00	135.00	2.90	0.00	2.90	0.77	1.00	0.439	2.20	64	1.36	0.323	0.70	0.460	2.000	●
50.00	135.00	3.24	0.00	3.24	0.74	1.00	0.421	2.20	62	1.36	0.311	0.67	0.464	2.000	●

Abbreviations

$\sigma_{v,eq}$: Total overburden pressure at test point, during earthquake (tsf)
$u_{o,eq}$: Water pressure at test point, during earthquake (tsf)
$\sigma'_{vo,eq}$: Effective overburden pressure, during earthquake (tsf)
r_d: Nonlinear shear mass factor
α: Improvement factor due to stone columns
CSR : Cydic Stress Ratio
MSF : Magnitude Scaling Factor
$CSR_{eq,M=7.5}$: CSR adjusted for M=7.5
K_{sigma}: Effective overburden stress factor
CSR^*: CSR fully adjusted (user FS applied)***
FS: Calculated factor of safety against soil liquefaction

*** User FS: 1.00

:: Liquefaction potential according to Iwasaki ::

Depth (ft)	FS	F	wz	Thickness (ft)	I_L
5.00	2.000	0.00	9.24	5.00	0.00
10.00	2.000	0.00	8.48	5.00	0.00
15.00	2.000	0.00	7.71	5.00	0.00
20.00	2.000	0.00	6.95	5.00	0.00
25.00	2.000	0.00	6.19	5.00	0.00
30.00	2.000	0.00	5.43	5.00	0.00
35.00	2.000	0.00	4.67	5.00	0.00
40.00	2.000	0.00	3.90	5.00	0.00
45.00	2.000	0.00	3.14	5.00	0.00
50.00	2.000	0.00	2.38	5.00	0.00

Overall potential I_L : 0.00

I_L = 0.00 - No liquefaction
I_L between 0.00 and 5 - Liquefaction not probable
I_L between 5 and 15 - Liquefaction probable
I_L > 15 - Liquefaction certain

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
5.00	25	0.16	0.19	0.57	0.14	13520.64	0.00	0.00	8.56	0.11	5.00	0.130
10.00	34	0.33	0.39	0.91	0.15	8805.93	0.00	0.00	8.56	0.06	5.00	0.069
15.00	34	0.48	0.59	1.12	0.16	6875.10	0.00	0.00	8.56	0.06	5.00	0.074
20.00	76	0.64	0.82	1.72	0.17	5666.28	0.00	0.00	8.56	0.01	5.00	0.015

:: Vertical settlements estimation for dry sands ::

Depth (ft)	$(N_1)_{60}$	τ_{av}	p	G_{max} (tsf)	α	b	γ	ε_{15}	N_c	ε_{Nc} (%)	Δh (ft)	ΔS (in)
25.00	54	0.79	1.04	1.72	0.18	4920.18	0.00	0.00	8.56	0.03	5.00	0.030
30.00	71	0.93	1.26	2.08	0.20	4371.67	0.00	0.00	8.56	0.02	5.00	0.018
35.00	68	1.05	1.49	2.23	0.21	3960.79	0.00	0.00	8.56	0.02	5.00	0.020
40.00	66	1.17	1.72	2.37	0.22	3639.00	0.00	0.00	8.56	0.02	5.00	0.021
45.00	64	1.27	1.94	2.49	0.24	3378.63	0.00	0.00	8.56	0.02	5.00	0.022
50.00	62	1.36	2.17	2.61	0.25	3162.67	0.00	0.00	8.56	0.02	5.00	0.023

Cumulative settlemetns: 0.421

Abbreviations

τ_{av}: Average cyclic shear stress
p: Average stress
G_{max}: Maximum shear modulus (tsf)
a, b: Shear strain formula variables
γ: Average shear strain
ε_{15}: Volumetric strain after 15 cycles
N_c: Number of cycles
ε_{Nc}: Volumetric strain for number of cycles N_c (%)
Δh: Thickness of soil layer (in)
ΔS: Settlement of soil layer (in)

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APPENDIX D
PERCOLATION TEST DATA

PERCOLATION TEST DATA SHEET

Project:	650 PCH	Project No.	185804814	Date:	6/1/2020
Test Hole No.	P1	Tested By:	RW		
Depth of Test Hole, D_T:	50 ft	USCS Soil Classification	SM		
Test Hole Dimensions (inches)		Length	Width		
Diameter (if round)	8	Sides (if rectangular)			

Sandy Soil Test Criteria*

Trial No.	Water Run time	Settle time	Initial Depth of Water (ft)	Final Depth of Water (ft)
1	30 min	10 min	3.2	0.0
2	30 min	10 min	3.2	0.0

*If two consecutive measurements show that twelve inches of water seeps away in less than 30 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) for a minimum of four hours before running test. Obtain at least eight measurements per hole over at least four hours (approximately 30 minute intervals) with a precision of at least 1/8" until the last 3 consecutive readings are within 10% of each other.

Trial No.	Δt, Time Interval, (min)	D_o, Initial Depth of Water (in)	D_f, Final Depth of Water (in)	ΔD, Change in Water Level (in.)	Percolation Rate (in/hr)
1	10	37.4	0.0	37.4	224.4
2	10	40.8	0.0	40.8	244.8
3	10	40.8	0.0	40.8	244.8
4	10	40.5	0.00	40.5	243.0
5	10	40.8	0.00	40.8	244.8
6	10	40.5	0.00	40.5	243.0
7					
8					
9					
10					
11					
12					
13					
14					
15					

Comments: I_t = 40.1 inches/hr (see attached spreadsheet) => Assume FS = 3, I_{tall} = 13.4 inches/hour:

Porchet Method - Conversion of Percolation Rate to Infiltration Rate	Perc Test No. P1	Legend:	Required Entries / Calculated Cells

Company Name: Stantec Consulting Services Inc — Date: 6/20/2020

Designed by: J. Fischer — County/City Case No: Los Angeles

Percolation Conversion to Infiltration Rate

The conversion equation is used:

$$I_t\,(in/hr) = \frac{\Delta H(in) \times 60\ (min/hr) \times r(in)}{\Delta t(min) \times [r(in) + 2H_{avg}(in)]}$$

If test hole is round - Enter radius here ⟶ $r =$ 8.00 inches

If test hole is square - Enter average side width below

$w =$ 0.00 inches $\quad r_{eq} =$ 0.00 inches

Time interval	$\Delta t =$	10.0 minutes
Initial height of water during selected time interval	$H_o =$	40.50 inches
Final height of water during selected time interval	$H_f =$	0.00 inches
Change in height of water during selected time interval	$\Delta H =$	40.50 inches
Average head height over the selected time interval	$H_{avg} =$	20.25 inches
Converted infiltration rate per test data	$I_t =$	40.08 inches/hour

Comments

PERCOLATION TEST DATA SHEET					
Project:	650 PCH	Project No.	185804814	Date:	6/1/2020
Test Hole No.	P2	Tested By:	RW		
Depth of Test Hole, D_T:	51 ft	USCS Soil Classification	SW		
Test Hole Dimensions (inches)		Length	Width		
Diameter (if round)	8	Sides (if rectangular)			

Sandy Soil Test Criteria*

Trial No.	Water Run time	Settle time	Initial Depth of Water (ft)	Final Depth of Water (ft)
1	30 min	10 min	2.7	0.0
2	30 min	10 min	2.5	0.0

*If two consecutive measurements show that twelve inches of water seeps away in less than 30 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) for a minimum of four hours before running test. Obtain at least eight measurements per hole over at least four hours (approximately 30 minute intervals) with a precision of at least 1/8" until the last 3 consecutive readings are within 10% of each other.

Trial No.	Δt, Time Interval, (min)	D_o, Initial Depth of Water (in)	D_f, Final Depth of Water (in)	ΔD, Change in Water Level (in.)	Percolation Rate (in/hr)
1	10	30.0	0.0	30	180.0
2	10	30.0	0.0	30	180.0
3	10	26.4	0.0	26.4	158.4
4	10	30.3	0.00	30.3	181.8
5	10	30.0	0.00	30	180.0
6	10	31	0.00	31	186.0
7					
8					
9					
10					
11					
12					
13					
14					
15					

Comments: I_t = 38.2 inches/hour (see attached spreadsheet) => Assume FS = 3, I_{tall} = 12.7 inches/hour

Porchet Method - Conversion of Percolation Rate to Infiltration Rate	Perc Test No. P2	**Legend:**	Required Entries / Calculated Cells

Company Name: Stantec Consulting Services Inc — Date: 6/20/2020

Designed by: J. Fischer — County/City Case No: Los Angeles

Percolation Conversion to Infiltration Rate

The conversion equation is used:

$$I_t\,(in/hr) = \frac{\Delta H(in) \times 60\ (min/hr) \times r(in)}{\Delta t(min) \times [r(in) + 2H_{avg}(in)]}$$

If test hole is round - Enter radius here ⟶ $r =$ 8.00 inches

If test hole is square - Enter average side width below

$w =$ 0.00 inches $\quad r_{eq} =$ 0.00 inches

Time interval	$\Delta t =$ 10.0	minutes
Initial height of water during selected time interval	$H_o =$ 31.00	inches
Final height of water during selected time interval	$H_f =$ 0.00	inches
Change in height of water during selected time interval	$\Delta H =$ 31.00	inches
Average head height over the selected time interval	$H_{avg} =$ 15.50	inches
Converted infiltration rate per test data	$I_t =$ 38.15	inches/hour

Comments

PERCOLATION TEST DATA SHEET						
Project:	650 PCH		Project No.	185804814	Date:	6/1/2020
Test Hole No.	P3		Tested By:	RW		
Depth of Test Hole, D_T:	50 ft		USCS Soil Classification	SC		
Test Hole Dimensions (inches)			Length	Width		
Diameter (if round)	8	Sides (if rectangular)				

Sandy Soil Test Criteria*

Trial No.	Water Run time	Settle time	Initial Depth of Water (ft)	Final Depth of Water (ft)
1	30 min	10 min	5.6	0.0
2	30 min	10 min	5.6	0.0

*If two consecutive measurements show that twelve inches of water seeps away in less than 30 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Otherwise, pre-soak (fill) for a minimum of four hours before running test. Obtain at least eight measurements per hole over at least four hours (approximately 30 minute intervals) with a precision of at least 1/8" until the last 3 consecutive readings are within 10% of each other.

Trial No.	Δt, Time Interval, (min)	D_o, Initial Depth of Water (in)	D_f, Final Depth of Water (in)	ΔD, Change in Water Level (in.)	Percolation Rate (in/hr)
1	10	67.2	0.0	67.2	403.2
2	10	76.8	0.0	76.8	460.8
3	10	86.4	0.0	86.4	518.4
4	10	87	0.00	87	522.0
5	10	86.8	0.00	86.8	520.8
6	10	87	0.00	87	522.0
7					
8					
9					
10					
11					
12					
13					
14					
15					

Comments: It = 44 inches/hour (see attached spreadsheet) => Assume FS = 3, Itall = 14.7 inches/hour

Porchet Method - Conversion of Percolation Rate to Infiltration Rate	Perc Test No. P3	**Legend:**	Required Entries / Calculated Cells

Company Name: Stantec Consulting Services Inc — Date: 6/20/2020

Designed by: J. Fischer — County/City Case No: Los Angeles

Percolation Conversion to Infiltration Rate

The conversion equation is used:

$$I_t\,(in/hr) = \frac{\Delta H(in) \times 60\ (min/hr) \times r(in)}{\Delta t(min) \times [r(in) + 2H_{avg}(in)]}$$

If test hole is round - Enter radius here ⟶ $r =$ 8.00 inches

If test hole is square - Enter average side width below

$w =$ 0.00 inches $\quad r_{eq} =$ 0.00 inches

Time interval	$\Delta t =$ 10.0	minutes
Initial height of water during selected time interval	$H_o =$ 87.00	inches
Final height of water during selected time interval	$H_f =$ 0.00	inches
Change in height of water during selected time interval	$\Delta H =$ 87.00	inches
Average head height over the selected time interval	$H_{avg} =$ 43.50	inches
Converted infiltration rate per test data	$I_t =$ 43.96	inches/hour

Comments

APPENDIX E
Phase I and Phase II Environmental Site Assessments

AEI Consultants

June 4, 2020

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Property Information:
650 and 700 Pacific Coast Highway
El Segundo, Los Angeles County, California 90245

Project Information:
AEI Project No. 422548

Prepared For:
Thorofare Capital, Inc.
633 West 5th Street, Suite 2200
Los Angeles, California 90071

and
Pacific Premier Bank, a California state-chartered bank, and its successors, participants and/or assigns
and
Thorofare Capital, Inc.

Prepared By:
AEI Consultants
2207 West 190th Street
Torrance, California 90504

Environmental Due Diligence

Building Assessments

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

Construction Risk Management

Zoning Analysis Reports & ALTA Surveys

AEI Consultants

June 4, 2020

Jacob Yi
Thorofare Capital, Inc.
633 West 5th Street, Suite 2200
Los Angeles, California 90071

Subject: Phase I Environmental Site Assessment
650 and 700 Pacific Coast Highway
El Segundo, California 90245
AEI Project No. 422548

Dear Jacob Yi:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (949) 752-9300 or kbachrach@aeiconsultants.com.

Sincerely,

Ken Bachrach
Vice President
AEI Consultants

PROJECT SUMMARY

650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California 90245
AEI Project No. 422548

Report Section		REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Review of Site and Vicinity	✔			✔	Phase II Subsurface Investigation
4.0	Regulatory Agency Records Review	✔				See above
5.0	Regulatory Database Records Review	✔			✔	See above
6.0	Interviews and User Provided Information					None
7.0	Site Reconnaissance	✔				See above
8.1	Asbestos-Containing Building Materials				✔	O & M Plan
8.2	Lead-Based Paint				✔	O & M Plan
8.3	Radon					None
8.4	Mold					None

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EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by Thorofare Capital, Inc. to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

PROPERTY INFORMATION	
Site Address(es)	650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California 90245 Note: the site address is also identified as 650 and 700 N Sepulveda Blvd
Property ID (APN or Block/Lot)	650 PCH – 4138006010; 4138006031 700 PCH - 4138006005
Location	East side of Pacific Coast Highway (Sepulveda Boulevard)
Property Type	Mixed-Use (Office, Retail, and/or Multifamily)
SITE AND BUILDING INFORMATION	
Approximate Site Acreage/Source	5.81/Los Angeles County Assessor
Number of Buildings	2
Building Construction Date(s)/Source	1957 and 1962/Los Angeles County Assessor
Building Square Footage (SF)/Source	200220/Client provided
Number of Floors/Stories	1 and 8
Basement or Subgrade Area(s)	None identified
Number of Units	One
Additional Improvements	Asphalt-paved parking areas and associated landscaping
On-site Occupant(s)	Boeing
Current On-site Operations/Use	Office, circuit board assembly/manufacturing, research and development, laboratory, administrative and maintenance activities
Current Use of Hazardous Substances	Yes; refer to Section 7.1
REGULATORY INFORMATION	
Regulatory Database Listing(s)	RCRA NonGen / NLR, HAZNET (listed four times), CA HWTS (listed four times), CA CERS HAZ WASTE, CA CERS TANKS, CA CERS, ICIS, FINDS (listed three times), ECHO (listed twice), CA AST, CA ENVIROSTOR, SEMS-ARCHIVE, CA SWEEPS UST, CA LOS ANGELES CO. HMS

A chronological summary of historical subject property information is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1896 - 1927	Undeveloped land	Previous report
1928 - 1947	Agricultural and fallow land	Aerial photographs

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1953	Agricultural land with small agricultural structure	Aerial photographs
1957 and 1962	Current site improvements were constructed for commercial and industrial use	Agency records
1963 - 1999	Current site improvements used for commercial and industrial use.	Aerial photographs, Agency records, City directories, Interviews, Site observations
2000 - 2007	Current site improvements - Unknown occupancy	Aerial photographs, Agency records, City directories, Interviews, Site observations
2008 - present	Current site improvements used for commercial and industrial use.	Aerial photographs, Agency records, City directories, Interviews, Site observations

Based on a review of historical sources, the subject property was developed for agricultural use from at least 1928 until at least 1938. From at least 1947 until at least 1953, the subject property appeared undeveloped. Construction of the current site improvements began at the 700 North Sepulveda Boulevard address in 1955 with additional improvements at 700 in 1957. The office structure at 650 North Sepulveda Boulevard was constructed in 1962. Tenants noted at the 700 North Sepulveda Boulevard address include: Pharmaceutical Co. (1958); The Rabin Company/Pharmapak Drug Company (1960); Rabin Winters Corporation (1962-1967); Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974); BBC Laboratories, Norton Products/Tannehill Pharmaceuticals (1971); Devlin Pharmaceuticals Inc. (1974-1981); Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present). Tenants at the 650 North Sepulveda Boulevard address include: Aerospace Center (1962-1966); Computer Science Corporation (CSC) (1969-1976); Howard Hughes / Hughes Corporation / Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present).

The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Multi-tenant commercial (740 North Sepulveda Boulevard) Multi-tenant Commercial (1910 East Maple Avenue)	None identified RCRA NonGen / NLR (listed twice), CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS
East	Equinix (1920 East Maple Avenue) Vanderland (607 Lairport Street) Hagemeyer (1921 East Mariposa Avenue)	CA LUST, CA HIST CORTESE, CA CERS CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA UST CA SWEEPS UST, CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS, CA UST, RCRA NonGen / NLR

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
South	Multi-tenant Strip Mall (600-630 North Sepulveda Boulevard)	RCRA NonGen / NLR, FINDS (listed twice), ECHO (listed twice), CA DRYCLEANERS (listed three times), EDR Hist Cleaner, RCRA-SQG, EDR Hist Auto, CA UST
West	Carl's Junior (639 North Sepulveda Boulevard) Commercial property and parking lot (703 North Sepulveda Boulevard) Parking lot (739 North Sepulveda Boulevard)	None identified None identified None identified

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

FINDINGS

Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

- Based on a review of historical sources, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property from 1958 until 1985. The USTs were constructed of concrete and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. The USTs were reportedly associated with the manufacturing of lighter fluid and pharmaceuticals. The exact location of the USTs was not identified. However, according to historical sources, the USTs appear to have been likely located in the northeast portion of the property. AEI identified a building permit for removal of the USTs dated May 21, 1982. Remarks on the permit indicate "Remove 8 underground tanks, fill and compact void, resurface. After the removal of the tanks, the void will be filled with clean sand compacted to 90% of ASTM standards and supervised by Western Laboratories". AEI also identified an application for closure of Hazardous Materials Underground Storage dated November 6, 1985 indicating that permanent concrete 15-year-old 1,000-gallon tank(s) containing oil & grease, sulfides, organic acids, copper and zinc. A Phase II performed by Ramboll Environ in May of 2016 indicated that sampling was performed in the suspected location of the former USTs (northeastern portion of the site). It should be noted that the previous Phase II did not include sampling at an area identified as the former gasoline pump, which was located further west of the former USTs. The soil vapor samples were collected at depths ranging from 10.5 to 12 feet bgs; as such shallow soil vapor conditions do not appear to have been assessed. Due to soil conditions, GPR penetration was 3 feet or less. The closed USTs may have been installed at depths exceeding 5 feet. Although the USTs were scheduled to be removed and backfilled with sand, based on the results of the previous Phase II (borings included concrete and asphalt), the concrete USTs may have been closed in place and/or remnants of the concrete remain

in the subsurface. Analytical results at the time revealed concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor below the ESLs in effect at the time. ESLs have changed in CA since 2016. Soil vapor concentrations detected at the time are above the current commercial/ industrial ESLs (from 2019) for benzene and ethylbenzene. The detected concentrations of benzene and ethylbenzene above the current commercial/industrial ESLs represents a REC.

- Based on the review of historical sources, the subject property was equipped with a concrete clarifier. The clarifier was located at the subject property addressed as 700 North Sepulveda Boulevard from at least 1966 until at least 1985. The clarifier was reportedly installed by Bergin Brunswick and used during the manufacturing of pharmaceuticals. Samples received by IT Corporation on October 16, 1985 performed on six samples of clarifier sludge submitted by Hughes Aircraft Space and Communications were analyzed and found to contain high levels of Tetrachloroethylene. Tetrachloroethylene concentrations of 2,000 micrograms per liter (µg/L) were recorded in Comp. 1&2 and 700 µg/L were recorded in Comp. 3&4. During the course of this assessment, AEI identified correspondence from the County of Los Angeles, Department of Public Works indicating that the clarifier was filled in place on October 29, 1985. The exact location of the clarifier was not identified, however, based on a review of historical permits, the clarifier was identified to be located in the "rear end of building - 700 N. Sepulveda" (which is expected to be the eastern exterior area of the 700 building). The previous Phase II conducted in 2016 (discussed in Section 6.3), did not include sampling on the eastern exterior area of the 700 building and only included a limited geophysical survey of this area. Based on the lack of location identification, the lack of testing of the clarifier during the Phase II and the levels of Tetrachloroethylene identified in the clarifier sludge samples, the former clarifier represents a REC.

- Due to the reported security-sensitive nature of operations within the subject property buildings, limited access was provided to the interiors of the buildings. Although not observed, during the site reconnaissance, AEI was informed by Mr. Paul Summers that laboratories at the 700 North Sepulveda Boulevard building engage in the manufacturing/assembly of circuit boards. Circuit board manufacturing operations typically utilize chlorinated solvents for board cleaning and surface preparation. Mr. Summers admitted the use of hazardous substances in the laboratories, however, a list of hazardous substances was not provided. AEI was not permitted to observe any laboratories or hazardous material storage areas. According to a review of DTSC HWTS records, Boeing generated various hazardous wastes including halogenated solvents. Based on the duration of on-site operations (approximately 12 years with Boeing), the assembly of circuit boards at the subject property represents a REC.

- Hughes Aircraft Co SCG at the address 690 N Sepulveda Boulevard was listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. No information regarding the number of USTs, content, capacity or status is available in this database. This listing is also associated with a permit associated with the Los Angeles County Department of Public Works (Facility Id: 010427-010342). AEI contacted the LACDPW for additional information regarding this UST listing, however, a response is pending. It is unclear if this UST listing is associated with the former USTs located at 700 N Sepulveda Boulevard. The 690 N Sepulveda Boulevard has been historically associated with the 650 building, and as such, this listing may pertain to a UST associated with this building. The lack of information on this UST is considered a data gap. The potential presence of a UST associated with the 650 building and the lack of supporting documentation represents a REC.

Controlled Recognized Environmental Condition (CREC) is defined by the ASTM Standard Practice E1527-13 as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

- AEI did not identify evidence of CRECs during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

- AEI did not identify evidence of HRECs during the course of this assessment.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the ASTM Standard Practice E1527-13. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

- The subject property was historically used for agricultural purposes. There is a potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site. The entire area of the subject property is either paved over or covered by improvements that make direct contact with any potential remaining concentrations in the soil unlikely. Furthermore, the subject property is developed and used for commercial/light industrial purposes and thus no further action related to the former agricultural use of the subject property is warranted at this time.
- The regulatory database indicates the presence of a dry cleaner using PERC at the adjacent site to the south of the subject property from at least 1995 until at least 2014. Based on the proximity of this site to the subject property, the potential exists that,

if a release of chlorinated solvents occurred at this site, the subsurface of the subject property may have also been impacted. This site may pose a threat for vapor-phase contaminant migration to the subject property if a release has occurred. However, no releases have been attributed to this site at this time. If the the User of this report desire a greater degree of certainty regarding the potential for vapor-phase contamination to the subject property, further investigation would be required.

- Due to the age of the subject property buildings, there is a potential that ACMs are present. The observed suspect ACMs at the subject property were in good condition at the time of the site reconnaissance and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Based on the potential presence of ACMs, AEI recommends the implementation of an O&M Plan which stipulates that the repair and maintenance of damaged materials should be performed to protect the health and safety of the building occupants. In the event that building renovation or demolition activities are planned, a thorough asbestos survey to identify asbestos-containing building materials is required in accordance with the EPA NESHAP 40 CFR Part 61 prior to demolition or renovation activities that may disturb suspect ACMs.
- Due to the age of the subject property buildings, there is a potential that LBP is present. During the site reconnaissance, damaged painted surfaces were observed in throughout the interior and exterior of the subject property buildings. Based on the potential presence of LBP, AEI recommends the property owner implement an O&M Plan which stipulates that the assessment, repair and maintenance of damaged painted surfaces be performed to protect the health and safety of the building occupants. Local regulations may apply to LBP in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an x-ray fluorescence (XRF) survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

Conclusions, Opinions, and Recommendations

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) of 650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

AEI did not identify evidence of RECs or CRECs in connection with the property except for those previously identified in the Findings section. AEI recommends the following:

- Phase II Subsurface Investigation and Geophysical Survey
- Review of pending agency records for the UST listed at 690 North Sepulveda Boulevard

1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California (Appendix A: Figures and Appendix B: Property Photographs).

1.1 Scope of Work

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with ASTM E1527-13, associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

1.2 Additional Services

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by ASTM E1527-13. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

1.3 Significant Assumptions

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. ASTM Standard Practice E1527-13 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the ASTM Standard Practice E1527-13.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

1.5 Limiting Conditions/Deviations

The performance of this assessment was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this report. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- Due to the reported security-sensitive nature of operations within the subject property buildings, limited access was provided to the interiors of the buildings. AEI was allowed access to the elevator equipment room, electrical rooms, janitorial maintenance rooms and hallways. According to Mr. Paul Summers, the subject property assembles circuit boards. Mr. Summers admitted the use of hazardous substances in the laboratories, however, a list of hazardous substances was not provided. AEI was not permitted to observe any laboratories or hazardous material storage areas. This limitation is significant and may alter the overall findings of this assessment and there is a potential that features of concern may be present that were not observed by AEI during the site inspection.
- AEI requested an interview with the subject property owner; however, the subject property owner has not responded as of this report date. Based on the quality of information obtained from other sources, this limitation is not expected to alter the overall findings of this assessment.
- Records from the Los Angeles County Public Works regarding the UST listing under 690 N Sepulveda Boulevard is pending.
- On May 18, 2020, AEI contacted the Los Angeles County Public Health Investigations via email for information on the subject property. Files at this agency may contain information regarding hazardous substance storage and use, underground storage tanks, unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area, wells and/or septic systems. As of the date of this report, LACPHI has not responded to this request.
- On May 18, 2020, AEI contacted the El Segundo Building Department via online records request for information on the subject property in order to identify historical tenants, features of concern and property use. As of the date of this report, ESBD has not responded to this request.

- On May 18, 2020, AEI contacted the El Segundo Planning Department via online records request for information on the subject property in order to identify AULs associated with the subject property. As of the date of this report, ESPD has not responded to this request.
- AEI requested documentation from DTSC-Cypress for information about the subject property and records that were referenced in the completed activities page of the Envirostor listing for Devlin Pharmaceuticals and was informed by Jone Barrio, Regional Records Coordinator, that no records were available for review. On May 28, 2020, Jone Barrio forwarded the records request to the DTSC Chatsworth office in an attempt to locate any records for the subject property.
- Due to the presence of stored products and miscellaneous features within the buildings, direct visual observation of some of the floor and wall areas of the buildings was not possible. Additionally, due to the presence of parked vehicles or other miscellaneous features, isolated portions of exterior ground areas were not available for direct visual observation. Features may be present that were not observed during AEI's site inspection.

1.6 Data Failure and Data Gaps

According to ASTM E1527-13, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to ASTM E1527-13, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to ASTM E1527-13, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to ASTM E1527-13, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

1.6.1 Data Failure

The following data failure was identified during the course of this assessment:

Data Failure	Historical sources were not obtained at five-year intervals dating back to first developed use. AEI was not able to track the history of the subject property between the years 2000 and 2007 as none of the historical sources utilized as part of this assessment covered this time period. In 1999, the subject property was occupied by Hughes Aircraft and used for aerospace offices. From 2008 to present, the subject property was occupied by Boeing and used for aerospace offices and circuit board assembly. Thus, it is assumed that during this time period the subject property would have been office, if not office and light manufacturing. Therefore, this data failure is not expected to significantly alter the findings of this assessment.
Information/Sources Consulted	City directories, Sanborn fire insurance maps, aerial photographs, agency records, previous reports, interviews

1.6.2 Significant Data Gaps

The following significant data gaps were identified during the course of this assessment:

Significant Data Gap	During the course of this assessment, location of historic subsurface features was not definitively identified. The lack of location of these features represents a significant data gap.
Information/Sources Consulted	Aerial photographs, agency records, previous reports, interviews

Significant Data Gap	Limited access to the property and limited agency records at the time of this report issuance represents a significant data gap.
Information/Sources Consulted	Aerial photographs, agency records, previous reports, interviews

1.7 Reliance

This report is for the use and benefit of, and may be relied upon by, Thorofare Asset Based Lending REIT Fund V, LLC and any of their respective affiliates, agents and advisors., the initial and subsequent holders from time to time of any debt (or any portion thereof) and/or debt securities secured, directly and indirectly, by the property which is the subject of this report, by any participation interest in any such debt (or any portion thereof), and indenture trustee, servicer or other agent acting on behalf of such holders of such debt (or any portion thereof) and/or debt securities; any rating agencies; and the institutional provider(s) from time to time of any liquidity facility or credit support for such financings, and their respective successors and assigns. In addition, this report or a reference to this report, may be included or quoted in any offering circular, registration statement, private placement memorandum, prospectus or sales brochure (in either electronic or hard copy format) in connection with a securitization or transaction involving such debt (or any portion thereof) and or debt securities.

This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's contract and Terms and Conditions executed by Thorofare Capital, Inc. on May 15, 2020. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE LOCATION AND DESCRIPTION

PROPERTY INFORMATION	
Site Address(es)	650 and 700 Pacific Coast Highway, El Segundo, Los Angeles County, California 90245 Note: the site address is also identified as 650 and 700 N Sepulveda Blvd
Property ID (APN or Block/Lot)	650 PCH – 4138006010; 4138006031 700 PCH - 4138006005
Location	East side of Pacific Coast Highway (Sepulveda Boulevard)
Property Type	Mixed-Use (Office, Retail, and/or Multifamily)
SITE AND BUILDING INFORMATION	
Approximate Site Acreage/Source	5.81/Los Angeles County Assessor
Number of Buildings	2
Building Construction Date(s)/Source	1957 and 1962/Los Angeles County Assessor
Building Square Footage (SF)/Source	200220/Client provided
Number of Floors/Stories	1 and 8
Basement or Subgrade Area(s)	None identified
Number of Units	One
Additional Improvements	Asphalt-paved parking areas and associated landscaping
On-site Occupant(s)	Boeing
Current On-site Operations/Use	Office, circuit board assembly/manufacturing, research and development, laboratory, administrative and maintenance activities
Current Use of Hazardous Substances	Yes; refer to Section 7.1
REGULATORY INFORMATION	
Regulatory Database Listing(s)	RCRA NonGen / NLR, HAZNET (listed four times), CA HWTS (listed four times), CA CERS HAZ WASTE, CA CERS TANKS, CA CERS, ICIS, FINDS (listed three times), ECHO (listed twice), CA AST, CA ENVIROSTOR, SEMS-ARCHIVE, CA SWEEPS UST, CA LOS ANGELES CO. HMS

2.2 ON-SITE UTILITIES

Utility	Source/System Information
Heating System	Natural gas
Cooling System	Electricity
Potable Water	El Segundo Water Division
Sewage Disposal/Treatment	City of El Segundo

Utility source/system information listed in the table above is provided by Mr. Paul Summers, unless otherwise noted above.

2.3 Site and Vicinity Characteristics

The subject property is located in a commercial, retail, industrial and residential mixed use area of El Segundo, California. The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Multi-tenant commercial (740 North Sepulveda Boulevard) Multi-tenant Commercial (1910 East Maple Avenue)	None identified RCRA NonGen / NLR (listed twice), CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS
East	Equinix (1920 East Maple Avenue) Vanderland (607 Lairport Street) Hagemeyer (1921 East Mariposa Avenue)	CA LUST, CA HIST CORTESE, CA CERS CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA UST CA SWEEPS UST, CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS, CA UST, RCRA NonGen / NLR
South	Multi-tenant Strip Mall (600-630 North Sepulveda Boulevard)	RCRA NonGen / NLR, FINDS (listed twice), ECHO (listed twice), CA DRYCLEANERS (listed three times), EDR Hist Cleaner, RCRA-SQG, EDR Hist Auto, CA UST
West	Carl's Junior (639 North Sepulveda Boulevard) Commercial property and parking lot (703 North Sepulveda Boulevard) Parking lot (739 North Sepulveda Boulevard)	None identified None identified None identified

If the surrounding properties are listed in the regulatory database, please refer to Section 5.1 for discussion.

2.4 Physical Setting

Geologic Unit: Description/Source	According to the United States Department of Agriculture's Report and General Soil Map for Los Angeles County, the area surrounding the subject property is underlain by soils of the Delhi Association from the Cenozoic era / USGS and United States Department of the Interior
Soil Series: Description/Source	Delhi soils are over 60 inches deep, are somewhat excessively drained, and have rapid hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet. The soils consist of coarse sand, loamy sand, silt loam, sandy loam, gravelly sand and clay. / USDA Soil Survey
Groundwater Flow Direction/Source	West / Case Closure Package (CCP) for Equinix Communications 1920 East Maple Avenue (adjacent on the east of the subject property)
Estimated Depth to Groundwater/ Source	90 feet bgs / CCP

Surface waters on the subject property or adjoining sites	None
Additional notes	According to FEMA Flood Insurance Rate Map (FIRM) No. 06037C1770F, dated September 26, 2008, the subject property is located in Zone X designated as an area outside the 100 and 500-year flood zones and the flood potential for the subject property is minimal.

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-13 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1896 - 1927	Undeveloped land	Previous report
1928 - 1947	Agricultural and fallow land	Aerial photographs
1953	Agricultural land with small agricultural structure	Aerial photographs
1957 and 1962	Current site improvements were constructed for commercial and industrial use	Agency records
1963 - 1999	Current site improvements used for commercial and industrial use.	Aerial photographs, Agency records, City directories, Interviews, Site observations
2000 - 2007	Current site improvements - Unknown occupancy	Aerial photographs, Agency records, City directories, Interviews, Site observations
2008 - present	Current site improvements used for commercial and industrial use.	Aerial photographs, Agency records, City directories, Interviews, Site observations

Based on a review of historical sources, the subject property was developed for agricultural use from at least 1928 until at least 1938. From at least 1947 until at least 1953, the subject property appeared undeveloped. Construction of the current site improvements began at the 700 North Sepulveda Boulevard address in 1955 with additional improvements at 700 in 1957. The office structure at 650 North Sepulveda Boulevard was constructed in 1962. Tenants noted at the 700 North Sepulveda Boulevard address include: Pharmaceutical Co. (1958); The Rabin Company/Pharmapak Drug Company (1960); Rabin Winters Corporation (1962-1967); Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974); BBC Laboratories, Norton Products/Tannehill Pharmaceuticals (1971); Devlin Pharmaceuticals Inc. (1974-1981); Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present). Tenants at the 650 North Sepulveda Boulevard address include: Aerospace Center (1962-1966); Computer Science Corporation (CSC) (1969-1976); Howard Hughes / Hughes Corporation / Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present).

The following historical addresses were associated with the subject property: 650, 690 and 700 North Sepulveda Boulevard. These addresses were also researched as part of this assessment when applicable and/or reasonably ascertainable.

Based on a review of historical sources, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property from 1958 until 1985. The USTs were constructed of concrete and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils,

alcohols, and solvents. The USTs were reportedly associated with the manufacturing of lighter fluid and pharmaceuticals. The exact location of the USTs was not identified. However, according to historical sources, the USTs appear to have been likely located in the northeast portion of the property. AEI identified a building permit for removal of the USTs dated May 21, 1982. Remarks on the permit indicate "Remove 8 underground tanks, fill and compact void, resurface. After the removal of the tanks, the void will be filled with clean sand compacted to 90% of ASTM standards and supervised by Western Laboratories". AEI also identified an application for closure of Hazardous Materials Underground Storage dated November 6, 1985 indicating that permanent concrete 15-year-old 1,000-gallon tank(s) containing oil & grease, sulfides, organic acids, copper and zinc. A Phase II performed by Ramboll Environ in May of 2016 indicated that sampling was performed in the suspected location of the former USTs (northeastern portion of the site). It should be noted that the previous Phase II did not include sampling at an area identified as the former gasoline pump, which was located further west of the former USTs. The soil vapor samples were collected at depths ranging from 10.5 to 12 feet bgs; as such shallow soil vapor conditions do not appear to have been assessed. Due to soil conditions, GPR penetration was 3 feet or less. The closed USTs may have been installed at depths exceeding 5 feet. Although the USTs were scheduled to be removed and backfilled with sand, based on the results of the previous Phase II (borings included concrete and asphalt), the concrete USTs may have been closed in place and/or remnants of the concrete remain in the subsurface. Analytical results at the time revealed concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor below the ESLs in effect at the time. ESLs have changed in CA since 2016. Soil vapor concentrations detected at the time are above the current commercial/industrial ESLs (from 2019) for benzene and ethylbenzene. The detected concentrations of benzene and ethylbenzene above the current commercial/industrial ESLs represents a REC.

Based on the review of historical sources, the subject property was equipped with a concrete clarifier. The clarifier was located at the subject property addressed as 700 North Sepulveda Boulevard from at least 1966 until at least 1985. The clarifier was reportedly installed by Bergin Brunswick and used during the manufacturing of pharmaceuticals. Samples received by IT Corporation on October 16, 1985 performed on six samples of clarifier sludge submitted by Hughes Aircraft Space and Communications were analyzed and found to contain high levels of Tetrachloroethylene. Tetrachloroethylene concentrations of 2,000 micrograms per liter (µg/L) were recorded in Comp. 1&2 and 700 µg/L were recorded in Comp. 3&4. During the course of this assessment, AEI identified correspondence from the County of Los Angeles, Department of Public Works indicating that the clarifier was filled in place on October 29, 1985. The exact location of the clarifier was not identified, however, based on a review of historical permits, the clarifier was identified to be located in the "rear end of building - 700 N. Sepulveda" (which is expected to be the eastern exterior area of the 700 building). The previous Phase II conducted in 2016 (discussed in Section 6.3), did not include sampling on the eastern exterior area of the 700 building and only included a limited geophysical survey of this area. Based on the lack of location identification, the lack of testing of the clarifier during the Phase II and the levels of Tetrachloroethylene identified in the clarifier sludge samples, the former clarifier represents a REC.

If available, copies of historical sources are provided in Appendix D.

3.1 Aerial Photographs

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the EDR - 1045033 collection of aerial photographs. Aerial photographs were reviewed for the following years:

Year(s)	Subject Property Description	Adjoining Site Descriptions
1923	Agricultural land	NORTH: Agricultural land EAST: Agricultural land SOUTH: Agricultural land WEST: Roadway followed by: Agricultural land and associated agricultural/residential structures
1928	The subject property appears as agricultural land with agricultural/residential structures along at the northwest and southwest corners of the site	NORTH: Agricultural land with additional residential/agricultural structures EAST: No significant change is noted SOUTH: No significant change is noted WEST: No significant change is noted
1938, 1947	Agricultural / fallow land (cleared land and/or earth moving is apparent in 1938)	NORTH: Agricultural fallow land EAST: Agricultural fallow land SOUTH: Agricultural fallow land with a small structure WEST: Roadway followed by: agricultural land with agricultural/residential structures and one commercial structure
1953	Agricultural / fallow land with a small agricultural structure and what appears to be an unpaved roadway	NORTH: No significant change is noted EAST: No significant change is noted SOUTH: No significant change is noted WEST: Roadway followed by: residential and commercial structures with agricultural and fallow land
1963	The subject property appears developed with the current site improvements	NORTH: Partially developed with the current commercial structures EAST: Developed with the current commercial structures SOUTH: Commercial structure WEST: Roadway followed by: Commercial structures and associated parking
1977, 1979, 1981, 1989, 1994	No significant change is noted	NORTH: Current commercial structures EAST: No significant change is noted SOUTH: No significant change is noted WEST: Roadway followed by: Commercial structures and associated parking
2002, 2005, 2009, 2012, 2016	No significant change is noted	NORTH: No significant change is noted EAST: No significant change is noted SOUTH: No significant change is noted WEST: Roadway followed by: current commercial structures and associated parking areas

AEI did not identify potential environmental concerns in association with the historical use of the subject property during the aerial photograph review.

3.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.

3.3 City Directories

A search of historical city directories was conducted for the subject property utilizing EDR - 1045033. Please refer to the appendices for a complete list of historical subject property tenants identified by EDR - 1045033. Directories were reviewed in approximate five-year increments from 1920 to 2015. The first listing for the subject property appeared in 1962. The following table summarizes the potential tenants of concern based on AEI's review of the historical city directories.

Year(s)	Address - Occupant Listed
1920 - 1961 (non-inclusive)	No listing
1962	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Brucemore Inc Rabin Winters Corp 700 North Sepulveda Boulevard - John David Drug Company - Rabin Winters Corporation
1963	No listing
1964	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry (includes Aerospace Printing Center) 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - John David Drug Company - Rabin Winters Corporation 700 North Sepulveda Boulevard - Pharmapak Drug Company
1965, 1966	No listing
1967	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry (includes Aerospace Printing Center) 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Brucemore Inc Rabin Winters Corp

Year(s)	Address - Occupant Listed
	700 North Sepulveda Boulevard - John David Drug Company - Rabin Winters Corporation 700 North Sepulveda Boulevard - Rabin Winters Corp
1969	No listing
1970	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Rabin Winters Division of Brunswig Drug
1971	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - BBC Laboratories 700 North Sepulveda Boulevard - Norton Products 700 North Sepulveda Boulevard - Tannehill Pharmaceuticals
1972	No listing
1975	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Devlin Pharmaceuticals, Inc.
1976	No listing
1980	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Devlin Pharmaceuticals, Inc.
1981	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 690 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry 700 North Sepulveda Boulevard - Devlin Pharmaceuticals, Inc.
1985	650 North Sepulveda Boulevard - Multiple office tenants in manufacturing and aerospace industry
1986, 1990, 1991, 1992, 1994, 1995, 1996, 1999, 2000	No listing
2001	650 North Sepulveda Boulevard - XXXX

Year(s)	Address - Occupant Listed
	690 North Sepulveda Boulevard - XXXX 700 North Sepulveda Boulevard - XXXX
2003, 2004, 2006, 2009, 2015	No listing

If listed above, XXXX indicates that the address is valid but there is no occupancy information available.

Based on a review of city directories, the subject property appears to have been occupied by various manufacturing tenants from at least 1962 to 1985; refer to Section 3.0 for additional information.

3.4 Historical Topographic Maps

Based on the quality of information obtained from other sources, historical topographic maps were not reviewed as a part of this assessment.

3.5 Chain of Title

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles County Public Health Investigations (LACPHI)	May 18, 2020	Email	NA	Response pending, refer to Section 1.5

4.2 FIRE DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
El Segundo Fire Department (ESFD)	May 18, 2020	Email	Ms. Liz Lydic, Management Analyst	Records discussed below

Records Summary

Date	Occupant	Document Type	Document Notes/Violations
1994	PacTel Cellular	Hazardous Materials Disclosure Information and Business Emergency Plan	Sulfuric Acid in batteries
1998 - 1999	Airtouch Cellular	Chemical inventory	Battery Electrolyte for Cell Tower
1994 - 1999	Hughes Space And Communications	Chemical Inventory	Potassium Hydroxide, Tolyltriazole, Sodium Polyacrylate, 1-Hydroxyethylidine-1, 1-Diphophonic Acid
2000	Boeing Satellite Systems	Facility Information	Hazardous Material Inventory
2000	Boeing Satellite Systems	Notice to Comply	Minor violations due for repair by 12/8/2000
2001 - 2005	Verizon Wireless	Chemical Disclosure Inventory and permitting	Battery Electrolyte for Cell Tower and Diesel Fuel for backup generator
2002 - 2004	Verizon Wireless	Emergency and Hazardous Chemical Inventory	Sulfuric acid in batteries in battery room
2003	Boeing Satellite Systems	Hazardous Waste and Hazardous Materials Management Regulatory Program	Permit and business plan
2006	Boeing Building S-30	Inspection Report	No significant Violations
2009	Boeing Building S-37	Inspection Report	No significant Violations

Based on a review of documents provided by the El Segundo Fire Department, no releases or violations were identified for the subject property.

4.3 BUILDING DEPARTMENT

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
El Segundo Building Department (ESBD)	May 18, 2020	Online records Request	NA	Response pending, refer to Section 1.5

Records Summary

Year(s)	Owner/Applicant	Description of Permit and Building Use
1961	Aerospace Center	Building permit for 7-story building with rooftop helistop
1964	Aerospace Center	Building permit for partitions
1965	Computer Science Corporation	Building permit for HVAC
1969	Computer Science Corporation	Building permit - remodel office
1972	Aerospace Center (Computer Science Corporation)	Building permit for storage vault
1976	CSC	Building permit for a 1500-gallon water tank
1982	Bruce Rabin	Building permit for removal of 8 underground storage tanks, fill and compact void and resurface
1985	Hughes Aircraft	Plumbing permit
1983	Chevron USA, Inc.	Building permit for equipment storage and mobile phone
1984	Howard Hughes	Certificate of Occupancy - commercial facility
1984	Howard Corporation	Permit to install fire sprinklers
1986	Hughes Aircraft	Permit for warehouse renovation
1990	Hughes Aircraft	Permit to install fire sprinkler heads
1999	Hughes Aircraft	Permit to resurface parking lot

Based on a review of documents obtained from the ESBD, the subject property was equipped with 8 underground storage tanks. Based on the historical information reviewed, eight 1,000-gallon USTs were located on the subject property from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. No information pertaining to the exact location was available during the course of this assessment, although they were described as being located "north of the building, near receiving" in a memo dated November 12, 1985. A building permit dated May 21, 1982, was issued for the removal of 8 underground storage tanks, fill and compact the void and resurface under the supervision of Western Laboratories. The tanks were permitted for removal, however, no record of proper closure under regulatory oversight was identified. Further, no records regarding these USTs was identified on-file with the El Segundo Fire Department (ESFD). Refer to Sections 3.0, 5.1, and 6.3 for further discussion.

4.4 Planning Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
El Segundo Planning Department (ESPD)	May 18, 2020	Online records Request	NA	Response pending, refer to Section 1.5

4.5 Assessor's Office

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles County Assessor's Office	May 18, 2020	Website	N/A	Information obtained is discussed below

Records Summary

APN	650 PCH – 4138006010; 4138006031 700 PCH - 4138006005
Acreage	5.81 acres
Construction Date	1957 and 1962
Building Square Footage	200220 square feet
Current Owner	Not provided

4.6 Other Agencies Searched

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
CA State Water Resources Control Board (SWRCB) GeoTracker	May 18, 2020	Website	N/A	No records on file
CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)	May 18, 2020	Website	N/A	Records discussed below
CA DTSC EnviroStor	May 18, 2020	Website	Jone Barrio, Records Coordinator	No records were on file, however, activities were identified and are discussed below
South Coast Air Quality Management District (AQMD)	May 18, 2020	Online records request	Ms. Lisa Ramos, Records Coordinator	Records discussed below
Los Angeles County Sanitation District (LACSD)	May 24, 2020	Email	Ms. Rose Romo, Senior Typist	Records discussed below

California DTSC HWTS Database Summary

Occupant	Year(s)	Hazardous Waste Generated	Amount (Tons)

Hughes Space and Communication	1994	Asbestos Containing Waste	25.284
Hughes Space and Communication	1994	Polychlorinated Biphenyls & Materials	11.0299
Hughes Space and Communication	1994	Off-specification Aged, or surplus organics	0.035
Hughes Space and Communication	1994	Halogenated solvents	0.01
Hughes Space and Communication	1994	Photochemicals / Photoprocessing Waste	0.125
Hughes Space and Communication	1994	Liquids with PH <= 2	0.0025
Hughes Space and Communication	1995	Asbestos Containing Waste	8.428
Hughes Space and Communication	1995	Liquids with PH <= 2	0.9799
Hughes Space and Communication	1996	Liquids with PH <= 2	0.3753
Hughes Space and Communication	1997	Liquids with PH <= 2	0.6255
Hughes Space and Communication	1997	Liquids with PH <= 2 with metals	0.65
Hughes Space and Communication	1998	Off-specification Aged, or surplus inorganics	0.25
Hughes Space and Communication	1998	Asbestos Containing Waste	19.384
Hughes Space and Communication	1998	Off-specification Aged, or surplus organics	0.03
Hughes Space and Communication	1998	Photochemicals / Photoprocessing Waste	0.5975
Hughes Space and Communication	1999	Photochemicals / Photoprocessing Waste	0.562
Hughes Space and Communication	2000	Asbestos Containing Waste	24.2104
Hughes Space and Communication	2000	Hydrocarbon Solvents	0.2025
Hughes Space and Communication	2000	Photochemicals / Photoprocessing Waste	0.1335
The Boeing Company	2000	Asbestos Containing Waste	23.5984
The Boeing Company	2000	Hydrocarbon Solvents	0.2435
The Boeing Company	2000	Biological Waste (food processing, Etc.)	0.015
The Boeing Company	2000	Photochemicals / Photoprocessing Waste	0.4205
The Boeing Company	2000	Liquids with PH <= 2 with metals	0.5
The Boeing Company	2001	Asbestos Containing Waste	38.062
The Boeing Company	2001	Other organic Solids	0.025
The Boeing Company	2001	Photochemicals / Photoprocessing Waste	0.404
The Boeing Company	2002	Aqueous solutions (2 < PH < 12.5) with organic resideues < 10%	0.252
The Boeing Company	2002	Asbestos Containing Waste	0.497
The Boeing Company	2002	Photochemicals / Photoprocessing Waste	0.4005
The Boeing Company	2003	Asbestos Containing Waste	0.125

The Boeing Company	2003	Off-specification Aged, or surplus organics	0.0375
The Boeing Company	2004	Off-specification Aged, or surplus inorganics	0.0075
The Boeing Company	2004	Asbestos Containing Waste	12.778
The Boeing Company	2004	Off-specification Aged, or surplus organics	0.18
The Boeing Company	2005	Waste oil and mixed oil	0.143
The Boeing Company	2006	Asbestos Containing Waste	0.0375
The Boeing Company	2007	Asbestos Containing Waste	0.476
The Boeing Company	2007	Off-specification Aged, or surplus organics	0.0775
The Boeing Company	2007	Other organic solids	0.0375
The Boeing Company	2008	Aqueous solutions (2 < PH < 12.5) with organic resideues < 10%	0.1
The Boeing Company	2008	Asbestos Containing Waste	6.468
The Boeing Company	2008	Other inorganic solid waste	0.0025
The Boeing Company	2008	Halogenated solvents	0.15
The Boeing Company	2008	Other organic solids	0.0875
Southern California Edison	2009	Waste oil and Mixed oil	6.7222
The Boeing Company	2009	Asbestos Containing Waste	22.736
The Boeing Company	2010	Asbestos Containing Waste	6.272
The Boeing Company	2010	Other inorganic solid waste	0.0025
The Boeing Company	2010	Off-specification Aged, or surplus organics	0.0025
The Boeing Company	2010	Other organic solids	0.025
The Boeing Company	2011	Aqueous solutions (2 < PH < 12.5) with organic resideues < 10%	0.125
The Boeing Company	2011	Asbestos Containing Waste	6.375
The Boeing Company	2011	Other inorganic solid waste	0.095
The Boeing Company	2011	Other organic solids	0.125
The Boeing Company	2011	Liquids with PH <= 2 with metals	0.25
The Boeing Company	2012	Other inorganic solid waste	0.075
The Boeing Company	2012	Other organic solids	0.075
The Boeing Company	2013	Aqueous solutions (2 < PH < 12.5) with organic resideues < 10%	0.15
The Boeing Company	2013	Asbestos Containing Waste	0.25
The Boeing Company	2013	Other organic solids	0.125
The Boeing Company	2014	Asbestos Containing Waste	0.1
The Boeing Company	2014	Other organic solids	0.025
The Boeing Company	2016	Asbestos Containing Waste	1.61
The Boeing Company	2018	Aqueous solutions (2 < PH < 12.5) with organic resideues < 10%	0.02

Based on a review of documents available from the DTSC, records indicate the disposal of multiple waste streams, including halogenated solvents. Environmental concerns associated with the generation of hazardous waste at the subject property from at least 1994 to at least 2018 are discussed in detail in Sections 3.0 and 5.1.

CA DTSC Envirostor

The subject property was identified in the CA DTSC Envirostor database as a "historical" site and in the SEMS-ARCHIVE database as an archived site. These listings do not appear to pertain to a release case; they appear to pertain to questionnaires and assessments of the property to determine if waste streams generated at the property were considered a significant threat to the environment. No records were identified in the EnviroStor database, however, a search of the listed facility ID indicated a discovery date of April 3, 1980 identified by an industrial waste survey questionnaire. On December 1, 1985, a preliminary assessment report indicated that 8 USTs were used by Rabins for the production of lighter fluid, Devlin manufactured pharmaceuticals and vitamins, Bergen manufactured pharmaceuticals and Hughes stored office equipment. The preliminary assessment also indicated that a Clarifier was closed on October 29, 1985. On December 8, 1994, Calsites validation program confirmed NFA for the DTSC. Additional Correspondence dated March 22, 2018 for administrative file review and reduction activity was noted. AEI requested documentation from DTSC-Cypress and was informed by Jone Barrio, Regional Records Coordinator. No records were available for review. On May 28, 2020, Jone Barrio forwarded our records request to the DTSC Chatsworth office in an attempt to locate any records for the subject property. A response is pending. According to a review of documents provided in previous reports, these listings appear to pertain to the closure of the USTs and clarifier discussed in Section 3.0.

South Coast Air Quality Management District

Date	Occupant	Document Type	Document Notes/Violations
1978	Devlin Pharmaceuticals, Inc.	Permit to Operate	Oven, Industrial heating and engineering
1980	Devlin Pharmaceuticals, Inc.	Permit to Operate	Oven, Industrial heating and engineering drying photochemically reactive solvents
1981	Devlin Pharmaceuticals, Inc.	Facility Equipment List	Oven drying permits granted pharmaceutical blending application denied
1985	Computer Sciences Corp	Facility Equipment List	No equipment listed
1989	Hughes Aircraft Company	Permit to Operate	Boiler, Rite watertube type
2004	The Boeing Company	Facility Equipment List	Permits to operate boilers, emergency generator and rule 1415 plan notifications
2004	Verizon Wireless	Notice to Comply	Post copy of permit
2008	Boeing Satellite Systems, Inc.	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers
2010	Boeing Satellite Systems, Inc.	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers
2012	Boeing Satellite Systems, Inc.	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers
2013	Boeing Satellite Systems, Inc.	Permit to operate	Emergency electrical generator
2014	The Boeing Company	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers
2016	The Boeing Company	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers

2018	The Boeing Company	Rule 1415 Registration Form	Use and storage of Refrigerant in cooling towers
2020	The Boeing Company	Facility Equipment List	Rule 1415 plan notifications

Environmental concerns associated with the drying of photochemically reactive solvents and the use of an emergency generator at the subject property are discussed in detail in Sections 3.0, 5.1 and 7.1.

Los Angeles County Sanitation District

Date	Occupant	Document Type	Document Notes/Violations
1977	Computer Sciences Corporation	Permit for Industrial Wastewater Discharge	Discharge from cooling towers into sanitary sewer system
2002	Boeing Aircraft	Letter from Los Angeles County Sanitation District	Void of discharge permit 5815, company is exempt

Based on a review of documents provided by Los Angeles County Sanitation Department, the subject property has discharged overflow from cooling tower operations to the sanitary sewer. No record of unauthorized releases and no record of increased chromium levels were reported. In 2002, the site was exempted from permitting requirements for these features.

4.7 Oil and Gas Wells

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
Geologic Energy Management Division The California Geologic Energy Management Division (CalGEM)	May 18, 2020	CalGEM Map	Information obtained is discussed below

According to a review of the CalGEM map, an oil well and the El Segundo oil field is located approximately 500 feet to the south of the subject property. According to a review of aerial photographs, no evidence of oil wells or oil well development activities (such as oil well development pits/ponds) were identified on the subject property. An additional issue of concern with oil wells is the potential emission of methane and hydrogen sulfide gases. These gases can migrate through geologic materials and/or through pathways such as old oil wells, and fissures and fractures in underlying geologic formations. The emitted gases have the potential to accumulate within building interiors, adversely affecting human health. If the subject property is redeveloped, groundbreaking activities are conducted, and/or land use changes are planned, a methane assessment may be deemed warranted at that time.

4.8 Oil and Gas Pipelines

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping System (NPMS)	May 18, 2020	NPMS Public Map Viewer	Information obtained is discussed below

According to information obtained from the NPMS Public Map Viewer, several underground hazardous pipelines are located along Pacific Coast Highway. No stressed vegetation was observed near the pipeline during AEI's reconnaissance and subject property staff reported no known environmental concerns associated with the pipelines. Releases from the pipelines (other than those caused by a third party) would be the responsibility of the operator. Based on this information, and the lack of a documented release identified in the regulatory database, no further action regarding the pipelines is warranted at this time.

4.9 State Environmental Superliens

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

4.10 State Property Transfer Laws

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The number of listed sites identified within the approximate minimum search distance from the federal and state environmental records database listings specified in ASTM Standard E1527-13 is summarized in Section 5.1, along with the total number of Orphan sites. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

Regulatory database listings associated with the subject property, adjoining site(s) and/or nearby sites of concern that were determined to warrant additional discussion are identified and further discussed in Section 5.1.

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Listings Within Search Distance	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
NPL	1.0	0			
DELISTED NPL	0.5	0			
SEMS/CERCLIS	0.5	0			
SEMS-ARCHIVE/CERCLIS NFRAP	0.5	5	✔		
RCRA CORRACTS	1.0	4			
RCRA-TSDF	0.5	4			
RCRA LQG, SQG, CESQGs, NLR	SP/ADJ	8	✔	✔	
US ENG CONTROLS	SP	0			
US INST CONTROLS	SP	0			
ERNS	SP	0			
STATE/TRIBAL HWS	1.0	33	✔		
STATE/TRIBAL SWLF	0.5	0			
STATE/TRIBAL REGISTERED STORAGE TANKS	SP/ADJ	6	✔	✔	
STATE/TRIBAL LUST	0.5	22		✔	

Database	Search Distance (Miles)	Listings Within Search Distance	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
STATE/TRIBAL EC and IC	SP	0			
STATE/TRIBAL VCP	0.5	4			
STATE/TRIBAL BROWNFIELD	0.5	0			
ORPHAN	N/A	8			
ADDITIONAL ENVIRONMENTAL RECORD SOURCES	SP/ADJ	See below	✔	✔	

Facility Name	The Boeing Company, Aero Space Center, Southern California Edison - Customer Location, Hughes Space and Communications, The Boeing Company - S37, El Segundo, Boeing Satellite Systems - S38, Devlin Pharmaceuticals, Inc., Hughes Aircraft Company SCG
Address	650 - 700 North Sepulveda Boulevard, 650 North Sepulveda Boulevard, 650 North Pacific Coast Highway S37, 700 North Sepulveda Boulevard, 690 North Sepulveda Boulevard
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	RCRA NonGen / NLR, HAZNET (listed four times), CA HWTS (listed four times), CA CERS HAZ WASTE, CA CERS TANKS, CA CERS, ICIS, FINDS (listed three times), ECHO (listed twice), CA AST, CA ENVIROSTOR, SEMS-ARCHIVE, CA SWEEPS UST, CA LOS ANGELES CO. HMS
Comments	This site was identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) NonGen/NLR database. This database includes sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Non-Generators do not presently generate hazardous waste. No violations were noted in this database. This site is listed four times in the Facility and Manifest Data (HAZNET) and HWTS databases. Data is extracted from copies of manifests received by the DTSC. Complete listing of reported waste disposed of from this site is listed in section 4.6. This site is listed in the CERS-HAZ database. This database is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This site is listed as a Hazardous Waste Generator. No further information was available in this database. This site is listed in the CERS-Tank database. This is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the

	Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This site is listed as an aboveground petroleum Storage Tank site. No further information was available in this database. This site is listed in the CERS database. The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials. The site was listed as a Chemical Storage Facility. Violations were noted for Failure to complete and electronically submit a site map with all required content, Failure to include in the SPCC Plan a prediction of direction and total quantity of oil potentially discharged from the facility as a result of each type of major equipment failure. No further information was available in this database. This site is listed in the Integrated Compliance Information System (ICIS) database. The ICIS database, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit. Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring. This site is listed as a FINDS site three times and an ECHO site twice in association with the above RCRA listing. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. This site is listed in the Aboveground Storage Tank (AST) database. No information regarding number of ASTs, content, capacity or status is available in this database. This site is identified as an Envirostor site on the regulatory database. The Envirostor database is maintained by the Department of Toxic Substances Control (DTSC) and identifies sites that have known contamination or sites for which further investigation is warranted. The status of the site is listed as "No further Action" as of December 8, 1994. The Division responsible for this site was listed as Cleanup Cypress. AEI requested documentation from DTSC-Cypress and was informed by Jone Barrio, Regional Records Coordinator. No records were available. Information obtained from the ENVIROSTOR database are discussed in Section 4.6. This site is listed in the Superfund Enterprise Management System Archive database. This database tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015.

	EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be a potential NPL site. According to a review of documents provided in previous reports, this listing appears to pertain to the closure of the USTs and clarifier discussed in Section 3.0. Hughes Aircraft Co SCG at the address 690 N Sepulveda Boulevard was listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. No information regarding the number of USTs, content, capacity or status is available in this database. This listing is also associated with a permit associated with the Los Angeles County Department of Public Works (Facility Id: 010427-010342). AEI contacted the LACDPW for additional information regarding this UST listing, however, a response is pending. It is unclear if this UST listing is associated with the former USTs located at 700 N Sepulveda Boulevard. The 690 N Sepulveda Boulevard has been historically associated with the 650 building, and as such, this listing may pertain to a UST associated with this building. The lack of information on this UST is considered a data gap. The potential presence of a UST associated with the 650 building and the lack of supporting documentation represents a REC. This site was listed in the LOS ANGELES CO. HMS database. This database lists industrial waste and UST sites listed with the Los Angeles County Department of Public Works. The site is listed as Open. No further information was available in this database. Refer to Sections 3.0, 5.1, and 6.3 for further discussion.

Facility Name	LAX Photo Lab
Address	630 North Sepulveda Boulevard
Distance & Direction	Adjoining to the South
Hydrologic Position	Cross-gradient
Databases Listed	RCRA NonGen/NLR, FINDS, ECHO
Comments	This site was identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) NonGen/NLR database. This database includes sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Non-Generators do not presently generate hazardous waste. No violations were noted in this database.

	This property is listed as a FINDS and ECHO site in association with the above RCRA listing. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. Based on the nature of this listing and lack of violations, it is not expected to represent a significant environmental concern. Based on the non-release nature of the listing, the nature of occupancy and the inferred direction of groundwater flow, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Tri-Cleaners
Address	630 North Sepulveda Boulevard, #11A
Distance & Direction	Adjoining to the south
Hydrologic Position	Cross-gradient
Databases Listed	CA DRYCLEANERS (listed three times), EDR Hist Cleaner, RCRA-SQG, FINDS, ECHO
Comments	This site is listed three times in the CA DRYCLEANERS database. This database lists drycleaner related facilities that have EPA ID numbers. This site is listed in the EDR Hist Cleaners database. EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. This site is identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generators (SQGs) site. No Violations were noted in this database. This property is listed as a FINDS and ECHO site in association with the above RCRA listing. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. The regulatory database indicates the presence of a dry cleaner using PERC at the adjacent site to the south of the subject property from at least 1995 until at least 2014. Based on the proximity of this site to the subject property, the potential exists that, if a release of chlorinated solvents occurred at this site, the subsurface of the subject property may have also been impacted. This site may pose a threat for vapor-phase contaminant migration to the subject property if a release has occurred. However, no releases have been attributed to this site at this time. If the the User of this report desire a greater degree of certainty regarding the potential for vapor-phase contamination to the subject property, further investigation would be required. Based on the lack of a documented release, the review of additional regulatory agency files for this site was not deemed necessary.

Facility Name	Equinix Operating Center
Address	1920 East Maple Avenue
Distance & Direction	Adjoining to the east

Hydrologic Position	Up-gradient
Databases Listed	CA AST, CA CERS HAZ WASTE, CA CERS TANKS, CA CERS, CA LUST, CA CERS, CA UST, RCRA NonGen / NLR, RCRA-SQG, CA HIST UST, FINDS, ECHO
Comments	This site is listed in the Aboveground Storage Tank (AST) database. No information regarding the number of tanks, installation dates or contents was provided in this database. The database does indicate a total of 33,000 gallons. This site is listed in the CERS-HAZ database. This database is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This site is listed as a Hazardous Waste Generator. No further information was available in this database. This site is listed in the CERS-Tank database. This is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This site is listed as an Aboveground Storage Tank site. No further information was available in this database. This site is listed twice in the CERS database. The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials. This site is listed as a Chemical Storage Facility. Violations were noted for Failure to retain a copy of the permit to operate at the facility, Hazardous Waste Generator Program - Administration/Documentation - general, Failure to accumulate universal waste for one year or less, Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit, Failure to send a legible copy of each hazardous waste manifest, Failure to label or mark each individual or container, Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility, Failure to use a DTSC registered hazardous waste transporter, APSA Program - Operations/ Maintenance - General, Failure to meet container management requirements. Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO), Failure to properly label hazardous waste accumulation containers, Failure of the functional line leak detector (LLD) to monitor at least hourly with the capability of detecting a release of 3.0 gallons, Failure to have an approved UST Monitoring Plan, Failure to maintain a list of employees trained by the designated operator, Failure to send hazardous waste offsite for treatment, Failure to inspect hazardous waste storage areas at least weekly. The site has returned to compliance. No further information was available in this database.

	This site is listed in the Underground Storage Tank (UST) database. The site is listed with two listed storage tanks. No further information was available in this database. This site was identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) NonGen/NLR database. This database includes sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Non-Generators do not presently generate hazardous waste. No violations were noted in this database. This site is identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generators (SQGs) site. No Violations were noted in this database. This site is listed in the Historical Underground Storage Tank (HIST UST) database with three underground storage tanks. Tank 001, installed in 1981, is a 12,000 gallon tank used for unleaded fuel. Tank 002, installed in 1981, is a 12,000 gallon tank used for regular fuel. Tank 003, installed in 1981, is a 12,000 gallon tank used for unleaded fuel. No further information was available in this database. This property is listed as a FINDS and ECHO site in association with the above RCRA listing. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. The adjacent site to the east is occupied by Equinix Communications. The site has been operated as an active data storage center facility since 2005. The site includes 11 generators, two 30,000-gallon diesel USTs and associated underground piping. Each generator also contains a 3,000-gallon belly tank for local storage. During underground piping replacement and upgrades, possible contamination from a previous diesel fuel spill was identified (RB Case #: R-10916A). 63 Tons of contaminated soil was excavated and removed from the site. On April 24, 2018 the Los Angeles County Regional Quality Control Board issued a Closure/No Further Action letter for the completion of the site investigation and corrective action at the site. AEI reviewed regulatory closure documentation and based on the available documents, no elevated concentrations of constituents were identified in the closest soil samples to the subject property at the time of closure. Based on these findings, the listings are not expected to represent a significant environmental concern. Based on the closure under regulatory oversight of the soils only case, the depth of groundwater and the No further action status, this site is not expected to represent a significant environmental concern. Based on the factors discussed above, the review of additional regulatory agency files for this site was not deemed necessary, and these listings are not expected to represent a significant environmental concern.

Facility Name	Hughes Aircraft - EDSG
Address	1920 Maple Street East
Distance & Direction	Adjoining to the East

Hydrologic Position	Up-gradient
Databases Listed	CA LUST, CA HIST CORTESE, CA CERS, CA SWEEPS UST, CA LOS ANGELES CO. HMS
Comments	This site is listed in the Leaking Underground Storage Tank (LUST) database. The status of this site is "Case Closed". The case was reported as a soils only case and was closed as of September 18, 1996. It should be noted that additional sampling was conducted at this site during UST upgrades (see LUST case discussion above). Based on a review of historical building permits for the subject property, it appears that the USTs were located in the same area for both LUST cases. Although documents were not provided on GeoTracker for this release, based on the more recent sampling conducted in conjunction with the more recent LUST case for this site (RB Case #: R-10916A), a review of additional agency records does not appear warranted. This site is listed in the HIST CORTESE database. Sites in this database are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS) and the Department of Toxic Substances Control (CALSITES). This listing is no longer updated by the state agency. No further information was provided in the database. This site is listed in the CERS database. The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials. The site was listed as a Leaking Underground Storage Tank Cleanup Site. This site is listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. The database indicates an active site with at least 3 USTs. No further information was available in this database. This site was listed in the LOS ANGELES CO. HMS database. This database lists industrial waste and UST sites listed with the Los Angeles County Department of Public Works. Dates were not available for permitting or closures listed. Based on the closure under regulatory oversight of the soils only case, the depth of groundwater, and regulatory status, these listings are not expected to represent a significant environmental concern. Based on the factors discussed above, the review of additional regulatory agency files for this site was not deemed necessary.

Facility Name	Exodus Communications
Address	1920 East Maple Avenue
Distance & Direction	Adjoining to the East
Hydrologic Position	Up-gradient

Databases Listed	RCRA-SQG
Comments	This site is identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generators (SQGs) site. No Violations were noted in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	A100 US, LLC-LAX 51
Address	1920 East Maple Avenue
Distance & Direction	Adjoining to the east
Hydrologic Position	Up-gradient
Databases Listed	RCRA-VSQG
Comments	This site is identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) Very Small Quantity Generators (VSQGs) site, Formerly Conditionally Exempt Small Quantity Generators . No Violations were noted in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Hughes
Address	1921 Mariposa Avenue
Distance & Direction	Adjoining to the east
Hydrologic Position	Up-gradient
Databases Listed	CA SWEEPS UST
Comments	This site is listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. Two tanks were listed at this active site. No information regarding content, capacity or status is available in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	XPO Logistics Supply Chain
Address	1921 East Mariposa Avenue
Distance & Direction	Adjoining to the east

Hydrologic Position	Up-gradient
Databases Listed	CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS
Comments	This site is listed in the CERS-HAZ database. This database is a list of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials. This site is listed as a Hazardous Waste Generator. No further information was available in this database. This site is listed in the National Pollutant Discharge Elimination System (NPDES) database. No violations were reported in the NPDES database. This site is listed in the California Integrated Water Quality System (CIWQS) database. The CIWQS is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections and manage violations and enforcement activities. No enforcement actions or violations over the last 5 years were noted in this database. This site is listed in the CERS database. The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials. The site is listed as an Industrial Facility Storm Water. and Chemical Storage facility. A violation for Business Plan Program - Administration/Documentation - General and Failure to inspect hazardous waste storage areas at least weekly. The site has returned to compliance. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Raytheon Systems Company, Raytheon
Address	1917-1921 East Mariposa Avenue
Distance & Direction	Adjoining to the east
Hydrologic Position	Up-gradient
Databases Listed	CA UST, RCRA NonGen / NLR
Comments	This site is listed in the Underground Storage Tank (UST) database. The database indicates that two tanks were removed with the permanent facility closure. No further information was available in this database.

	This site was identified in the regulatory database as a Resource Conservation and Recovery Act (RCRA) NonGen/NLR database. This database includes sites which generate, transport, store, treat, and/or dispose of hazardous waste as defined by the RCRA. Non-Generators do not presently generate hazardous waste. No violations were noted in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Hughes Aircraft Company
Address	607 Lairport Street
Distance & Direction	Adjoining to the east
Hydrologic Position	Up-gradient
Databases Listed	CA SWEEPS UST, CA LOS ANGELES CO. HMS
Comments	This site is listed in the Statewide Environmental Evaluation and Planning System (SWEEPS UST) database. The underground storage tank listing was updated and maintained by the State Water Resources Control Board in the early 1990's. The listing is no longer updated or maintained. No information regarding number of USTs, content, capacity or status is available in this database. This site was listed in the LOS ANGELES CO. HMS database. This database lists industrial waste and UST sites listed with the Los Angeles County Department of Public Works. Dates were not available for permitting or closures listed. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Popklin Realty
Address	607 Lairport Street
Distance & Direction	Adjoining to the east
Hydrologic Position	Up-gradient
Databases Listed	CA UST
Comments	This site is listed in the Underground Storage Tank (UST) database. No information regarding the number of tanks, installation dates, capacities or contents was provided in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth of groundwater, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Leonards International Distrs

Address	600 North Sepulveda Boulevard
Distance & Direction	Adjoining to the south
Hydrologic Position	Cross-gradient
Databases Listed	EDR Hist Auto
Comments	This site is listed in the EDR Hist Auto database. Small-scale auto repair operations are performed on this adjacent property. The database indicates the presence of a gasoline service station from at least 1978 until at least 1983. No further information was available in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth and inferred direction of groundwater flow, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	Segundo Associates
Address	600 North Sepulveda Boulevard
Distance & Direction	Adjoining to the south
Hydrologic Position	Cross-gradient
Databases Listed	CA UST
Comments	This site is listed in the Underground Storage Tank (UST) database. No information regarding the number of tanks, installation dates, capacities or contents was provided in this database. Based on the non-release nature of the listing, the nature of occupancy and the depth and inferred direction of groundwater flow, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	ESALON.COM LLC
Address	1910 E MAPLE AVE
Distance & Direction	Adjoining to the north
Hydrologic Position	Cross-gradient
Databases Listed	RCRA NonGen / NLR, CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS
Comments	This site is listed for hazardous waste generation. Based on the non-release nature of the listings and the depth and inferred direction of groundwater flow, the review of regulatory files for this adjoining site was not deemed necessary and this listing is not expected to represent a significant environmental concern.

Facility Name	UNOCAL #5866
Address	603 SEPULVEDA BLVD N
Distance & Direction	260 feet to the south-southwest
Hydrologic Position	Cross-gradient

Databases Listed	CA LUST, CA HIST CORTESE, CA CERS, CA UST, CA HIST UST, CA HAZNET, CA HWTS, CA SWEEPS UST, CA HIST UST, EDR Hist Auto, CA CERS TANKS
Comments	A closed release was identified at this site. The release obtained closure on 7/12/1996 and no groundwater impacts were reported. Based on the depth to groundwater, lack of reported groundwater impacts, distance, regulatory status, and gradient, this site is not expected to represent a significant environmental concern to the subject property at this time. Additional listings: This facility was also listed on other database(s) as noted above; however, as these listings are not associated with a release, the radii prescribed by the ASTM E5127-13 standard does not require that these listings be specifically discussed. Notwithstanding, based on our review of available information, none of these listings appears to pose a significant environmental concern in connection with the subject property at this time.

Facility Name	BOB'S UNION 76, UNOCAL #4613
Address	770 N. SEPULVEDA BLV
Distance & Direction	190 feet to the north
Hydrologic Position	Cross-gradient
Databases Listed	CA UST, CA LUST, CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA CERS, CA CERS HAZ WASTE, CA HIST UST, CA CERS TANKS, RCRA NonGen / NLR, CA HIST UST, CA UST, EDR Hist Auto
Comments	A closed release was identified at this site. The release obtained closure on 2/6/1997. Based on the depth to groundwater, distance, regulatory status, and gradient, this site is not expected to represent a significant environmental concern to the subject property at this time. Additional listings: This facility was also listed on other database(s) as noted above; however, as these listings are not associated with a release, the radii prescribed by the ASTM E5127-13 standard does not require that these listings be specifically discussed. Notwithstanding, based on our review of available information, none of these listings appears to pose a significant environmental concern in connection with the subject property at this time.

Facility Name	MOTTA SHELL SERVICE, CIRCLE K STORE #2709, MOBIL OIL CO
Address	763 and 765 N SEPULVEDA BLVD
Distance & Direction	190 feet to the north-northwest
Hydrologic Position	Cross-gradient
Databases Listed	CA HIST UST, EDR Hist Auto, CA CERS HAZ WASTE, CA CERS TANKS, CA HAZNET, CA CERS, CA HWTS, RCRA NonGen / NLR, CA UST, CA SWEEPS UST, CA LOS ANGELES CO. HMS
Comments	This site is a gas station. No releases have been identified. Based on the depth to groundwater, distance, lack of a documented release, and gradient, this site is not expected to represent a significant environmental concern to the subject property at this time.

5.2 VAPOR MIGRATION

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

Potential vapor migration concerns for the subject property are discussed in Section 3.0.

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to ASTM E1527-13, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

6.1.1 OWNER AND KEY SITE MANAGER

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner Representative	Not provided	NA	N/A	NA	Contact information not provided; refer to Section 1.5
Key Site Manager	Mr. Paul Summers	May 26, 2020	In Person	2008	Interviewed; see Interview Summary table below

Interview Summary

Question	Owner (Representative) Response/ Comment	Key Site Manager Response/ Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	N/A	No
Do you have any knowledge of previous environmental investigations conducted on site?	N/A	No
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	N/A	No
Are you aware of any known plans for site redevelopment or change in site use?	N/A	No
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	No
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	N/A	No
Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	N/A	No
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	N/A	No

6.1.2 Past Owners, Operators, and Occupants

AEI attempted to obtain contact information for past owners, operators and occupants of the subject property in order to interview them regarding the potential for contamination at the property. AEI requested this contact information, reviewed agency records, and performed online research to obtain this information. Contact information was not found. As such, interviews with past owners, operators and occupants were not reasonably ascertainable.

6.1.3 Interview with Others

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-13 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental liens that are filed or recorded against the property (40 CFR 312.25) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	Information not provided
2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	Information not provided
3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Information not provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).	Information not provided

Question	Response / Comment
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	
5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example: (a) Do you know the past uses of the property? (b) Do you know of specific chemicals that are present or once were present at the property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property?	Information not provided
6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?	Information not provided

6.3 Previous Reports and Other Provided Documentation

Documentation was provided to AEI during this assessment. A summary of this information follows:

*Phase I Environmental Site Assessment (*Boeing Building II, 700 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science (September 18, 2015)

This report describes the subject property generally consistent with current conditions.

- Based on the historical information reviewed, Partner found that eight 1,000-gallon underground storage tanks (USTs) were located on the subject property (700 North Sepulveda portion) from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. No information pertaining to the exact location was available during the course of this assessment, although they were described being located "north of the building, near receiving" in a memo dated November 12, 1985. According to a document issued by the Los Angeles County Department of Public Works (LACDPW) to Hughes Aircraft on October 29, 1985, the USTs were filled in place. In a document dated July 12, 1990, the USTs were described as "removed…without regulatory oversight and their integrity was unknown." Further, no records were identified on-file with the El Segundo Fire Department (ESFD) and the LACDPW, and no information regarding this facility was provided by subject property management. In addition, according to the Department of Toxic Substances Control (DTSC) records reviewed, the subject property was equipped with a concrete clarifier between 1966 and 1985. The exact location of

the clarifier has not been identified but the clarifier was reportedly abandoned with the regulatory oversight of the LACDPW. At that time, six sludge samples were collected from the clarifier and analyzed for SVOCs. Laboratory results indicated no potential for air contamination. As a result, the LACDPW issued a statement indicating the clarifier was in compliance to Hughes Aircraft on October 29, 1985. A dry inspection was reportedly conducted for the clarifier on November 12, 1985, which did not identify leaks and indicated no problems were observed. Although no obvious evidence of leaks was identified within the clarifier, the potential exists for small quantities of materials within the clarifier to have been released over time which may have impacted soil and/ or groundwater surrounding the clarifier. In addition, Partner has not been provided with or identified documentation pertaining to subsurface conditions surrounding the clarifier at the time of closure, and the subject property appears to have been granted no further action (NFA) status in 1994.

- Based on the inadequate information regarding the disposition of the USTs at this facility and lack of regulatory oversight regarding the UST closure, as well as the lack of subsurface investigation documentation pertaining to closure of the clarifier, the potential exists for releases of hazardous substances and/or petroleum products to have impacted soil and/or groundwater at the subject property. The historical USTs and clarifier at the subject property represent a recognized environmental condition.

Based on their assessment, Partner recommended a limited subsurface investigation should be conducted in order to determine the presence or absence of soil and/or groundwater contamination due to the historical use of USTs and a clarifier on the subject property.

*Phase I Environmental Site Assessment (*Boeing Buildings, 650 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science (September 18, 2015)

This report describes the subject property generally consistent with current conditions.

- Partner did not identify any recognized environmental conditions during the course of this assessment.
- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.
- Partner did not identify any historical recognized environmental conditions during the course of this assessment.
- Environmental issues for ACM and LBP were identified.

Note: Partner presumed that the UST listing for 690 was associated with the USTs at the 700 Building.

No further investigation was recommended.

Phase II Subsurface Investigation (700 North Sepulveda Boulevard, El Segundo, California 92045), prepared by Ramboll Environ (May 13, 2016)

- Based on the REC identified in Partner's 2015 PHI ESA (discussed above), a Phase II subsurface investigation was recommended to identify any potential impact of contamination/releases of hazardous substances. On May 13, 2016, a subsurface investigation was conducted in the area of the former USTs and clarifier. Based on the results of their geophysical survey, Ramblin Environ (RE) advanced 6 soil borings in the parking lot north to the northeast of the 700 building. Analytical results revealed low concentrations of constituents (petroleum hydrocarbons, volatile organic compounds, metals) detected in soil and soil vapor with the exception of arsenic in soils. Arsenic concentrations in the soils at the subject property ranged from 3.6 to 4.3 milligrams per kilogram (mg/kg). Although these concentrations exceed both residential and commercial land use limits, studies have shown that an upper-bound background concentration of 12 mg/kg of arsenic was found at school sites in Los Angeles County. Soil borings performed at the site also detected concrete or asphalt-like materials within the upper approximately 12 feet. Ramboll opined that these materials made up some of the backfill material. It should be noted that the USTs were reportedly concrete. The remaining concentrations detected in the area of the site investigated were well below the residential screening levels, the most restrictive applicable screening levels; are consistent with a no further action status for the site; are not indicative of any release or condition which has adversely impacted the environmental integrity of the site, which would require additional investigation, monitoring, or remediation or reporting to any governmental agency; are not indicative of conditions which would require special handling in connection with the redevelopment of the site. Therefore, RE concluded that no further investigation, monitoring, or remediation is recommended or warranted.

It should be noted that ESL levels were changed in January 2019. At the time of this assessment, soil vapor samples taken were below California ESLs, however, they are above the current commercial/industrial ESLs (from 2019) for benzene and ethylbenzene.

Since the soil vapor concentrations are above the current ESLs, this represents a REC.

*Phase I Environmental Site Assessment (*Commercial Site 650 and 700 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science (November 26, 2019)

This report describes the subject property generally consistent with current conditions.

- Partner did not identify any recognized environmental conditions during the course of this assessment.
- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.
- Partner did not identify any historical recognized environmental conditions during the course of this assessment.
- Partner identified an environmental issue based on Partner's 2015 Phase I ESA, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property (700 North Sepulveda portion) from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc,

mineral oils, alcohols, and solvents. No information pertaining to the exact location or status of the tanks was found during Partner's assessment. Partner also reported that the subject property was equipped with a concrete clarifier between 1966 and 1985. The exact location of the clarifier has not been identified but the clarifier was reportedly abandoned with the regulatory oversight of the Los Angeles County Department of Public Works (LACDPW). Documentation pertaining to subsurface conditions surrounding the clarifier at the time of closure was not found during Partner's assessment. Based on the findings of Partner's 2015 report, a Phase II subsurface investigation was conducted in May 2016 to address potential hazardous substance impacts from the former USTs and clarifier. Analytical results revealed low concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor. The concentrations detected were well below the residential screening levels, the most restrictive applicable screening levels. Based on the analytical results, the presence of the former USTs and clarifier do not represent a significant environmental concern.

- Environmental issues were also identified for ACM and LBP were identified.

No further investigation was recommended. It should be noted that the report did not discuss the change to the current California ESLs since the Phase II report was issued. The report did not address the lack of sampling in likely area of the clarifier (eastern exterior of the 700 building).

6.4 Environmental Lien Search

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.

7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	May 26, 2020
AEI Site Assessor(s)	Jeffrey L. McNeil
Property Escort(s)/ Relationship(s) to Property	Mr. Paul Summers, TI Manager
Units/Areas Observed	Due to the reported security-sensitive nature of operations within the subject property buildings, limited access was provided to the interiors of the buildings. AEI was allowed access to the elevator equipment room, electrical rooms, janitorial maintenance rooms and hallways. According to Mr. Paul Summers, the subject property assembles circuit boards. Mr. Summers admitted the use of hazardous substances in the laboratories, however a list of hazardous substances was not provided. AEI was not permitted to observe any laboratories or hazardous material storage areas. This limitation is significant and may alter the overall findings of this assessment and there is a potential that features of concern may be present that were not observed by AEI during the site inspection.
Area(s) not accessed and reason(s)	See above Refer to Section 1.5 for discussion of limiting condition(s).
Other Physical Constraints	None

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjoining Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use	✔	
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)	✔	✔
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids	✔	
Interior Stains or Corrosion		
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers	✔	
Pits, Ponds, and Lagoons		
Stained Soil or Pavement	✔	
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems		
Biomedical Wastes		
Other	✔	

7.1 Subject Property Reconnaissance Findings

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.1.1 Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use

Due to the reported security-sensitive nature of operations within the subject property buildings, limited access was provided to the interiors of the buildings. Although not observed, during the site reconnaissance, AEI was informed by Mr. Paul Summers that laboratories at the 700 North Sepulveda Boulevard building engage in the manufacturing/assembly of circuit boards. Circuit board manufacturing operations typically utilize chlorinated solvents for board cleaning and surface preparation. Mr. Summers admitted the use of hazardous substances in the laboratories, however, a list of hazardous substances was not provided. AEI was not permitted to observe any laboratories or hazardous material storage areas. According to a review of DTSC HWTS records, Boeing generated various hazardous wastes including halogenated solvents. Based on the duration of on-site operations (approximately 12 years with Boeing), the assembly of circuit boards at the subject property represents a REC.

7.1.2 Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

AST(s)

Size (gallons)	Contents	Installation Date	AST Condition	Location	Construction/ Secondary Containment	Product Piping	Staining/ Spills
~200-gallons	Diesel	2013	Unknown	North exterior side of building	Double-walled	Aboveground	None

The subject property is equipped with an emergency generator. Approximately 200 gallons of diesel fuel are contained within the generator equipment. No evidence of leaks or spills was observed at the base of the generator. Based on the good condition of the equipment, the presence of the emergency generator and associated diesel fuel is not expected to represent a significant environmental concern.

7.1.3 Electrical or Mechanical Equipment Likely to Contain Fluids

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Transformers

Type	Quantity	Owner	Presumed Date of Installation	Spills or Stains Observed (Yes/No)	Non-PCB Label (Yes/ No)
Pad-Mounted	1	Southern California Edison	Unknown	No	No
Pad-Mounted	3	Subject property	Unknown	No	No
Subsurface	1	Southern California Edison	Unknown	No	No

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Transformers installed prior to 1977 may be PCB containing while transformers installed after 1977 are unlikely to be PCB containing. Federal Regulations (40 CFR 761 Subpart G) require any release of material containing >50 ppm PCB and occurring after May 4, 1987, be cleaned up by the transformer owner following the United States EPA's PCB spill cleanup policy.

AEI did not observe evidence of spills, staining, or leaks on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Due to the sub-grade nature of one of the transformers, AEI was unable to observe the condition of the equipment.

Elevators

The subject property is equipped with three traction elevators. Two operate between the first floor and eighth floor and one runs from the first floor to the penthouse. Geared traction elevators are driven by alternating current (AC) or direct current (DC) electric motors. During AEI's site reconnaissance, the electrical and mechanical equipment for the traction elevators was observed at the rooftop equipment room. Based on the absence of hydraulic fluid used in association with the mechanical equipment of the elevators, the presence of these elevators is not expected to represent a significant environmental concern.

7.1.4 Drains, Sumps, and Clarifiers

Three storm drains were observed in the parking area of the subject property. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drains. Based on the use of the drains solely for storm water runoff, the presence of the drains is not expected to represent a significant environmental concern.

7.1.5 Stained Soil and Pavement

Minor amounts of oily surface staining were observed in the parking area. The staining appears to be from leaking vehicles and is surficial in nature. Based on the small size and the surficial nature of the staining, it is not expected to represent a significant environmental concern.

7.1.6 OTHER

Cleaning supplies and detergents are stored in janitorial closets in the subject property buildings. All chemicals were packaged in consumer quantities. Based on the nature of these materials, the presence of cleaning supplies at the subject property is not expected to represent a significant environmental concern.

7.2 ADJOINING PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.2.1 ABOVEGROUND/UNDERGROUND HAZARDOUS SUBSTANCE OR PETROLEUM PRODUCT STORAGE TANKS (ASTS/USTS)

The adjoining site to the east was observed to be occupied by a data center. Based on the nature of use, USTs and ASTs as well as other hazardous substances are likely stored on the site. This site was identified in the regulatory database and is further discussed in Section 5.1.

8.0 NON-ASTM SERVICES

8.1 ASBESTOS-CONTAINING BUILDING MATERIALS

Asbestos is the name for a group of naturally occurring silicate minerals that can be separated into fibers. The fibers are strong, durable, and resistant to heat and fire. They are also long, thin and flexible, so they can even be woven into cloth. Because of these qualities, asbestos has been used in thousands of consumer, industrial, maritime, automotive, scientific and building products. During the 20th century, some 30 million tons of asbestos have been used in industrial sites, homes, schools, shipyards and commercial buildings in the United States. Commercial use of ACM began in the early 1900s and peaked in the period between 1940 and into the 1970s. Common ACMs include pipe-covering, insulating cement, insulating block, refractory and boiler insulation materials, transite board, fireproofing spray, joint compound, vinyl floor tile, ceiling tile, mastics, roofing products, and duct insulation for HVAC applications. Inhalation of asbestos fibers can result in deleterious health effects.

The potential for ACM was evaluated based the United States EPA Guidance Document: Managing Asbestos in Place - A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (the Green Book). In 1973 the NESHAPS banned the use of most spray-applied surfacing ACM, specifically asbestos containing spray-on fireproofing and insulation. Subsequent revisions to this regulation in 1975 and 1978 effectively eliminated the use of friable pre-molded pipe, boiler, turbine, and duct insulation; and the spray application of friable asbestos-containing materials for all uses in buildings. In 1989 the EPA issued regulations to ban some asbestos-containing products and phase out most others over a multi-year period. The "Ban and Phase-Down" rule was challenged in court and the regulation remanded to the agency. As a result, any asbestos-containing products then "in commerce" would not be banned. Those not in commerce would be banned. Those materials "banned" could not be sold. It did not affect such materials already installed, or in use. Most US firms voluntarily ceased production of asbestos containing building materials not covered by the aforementioned Federal bans by the mid-1980s. In 1994, the OSHA determined that employers and building owners are required to treat installed thermal system installation and sprayed on and troweled-on surfacing materials, as well as vinyl or asphalt flooring material, as ACM in buildings constructed no later than 1980 until tested by laboratory analysis to prove otherwise.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Due to the age of the subject property buildings, there is a potential that ACMs are present. A limited list of typical suspect ACMs is included in the following table:

Material Type	Location
Plaster (acoustical and smooth)	Walls and ceilings
Ceiling tile	Ceiling systems
Thermal systems insulations, packings, and gaskets	Heating systems, cooling systems, domestic and heating and cooling piping, ductwork, and other equipment
Floor tile and associate mastics, flooring felts, and papers (under hardwood/other)	Floors
Vinyl sheet flooring and adhesives	Floors
Cove base and associated mastics	Walls
Ceramic tile adhesives and grouts	Walls, floors, and ceilings
All adhesives	Mirrors, wall coverings, construction, etc.
Grout and caulking	Windows and doors
Gypsum board, tape, and joint compound	Wall and ceiling systems
Insulation materials	Walls, ceilings, and attic spaces
Roofing materials (felts, rolled, shingle, flashings, adhesives, tar, and insulations)	Roof and parapet wall systems
Brick and block, mortars	Walls

The observed suspect ACMs at the subject property were in good condition at the time of the site reconnaissance and are not expected to pose a health and safety concern to the occupants of the subject property at this time. Based on the potential presence of ACMs, AEI recommends the implementation of an O&M Plan which stipulates that the repair and maintenance of damaged materials should be performed to protect the health and safety of the building occupants. In the event that building renovation or demolition activities are planned, a thorough asbestos survey to identify asbestos-containing building materials is required in accordance with the EPA NESHAP 40 CFR Part 61 prior to demolition or renovation activities that may disturb suspect ACMs.

8.2 Lead-Based Paint

Lead-based paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has ≥1 mg/cm² (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm² to 2.0 mg/cm². Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X," defines a LBP hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard," although the paint should be maintained and its condition monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, or federally owned or subsidized housing is affected by this rule.

Under OSHA, lead-containing paint (LCP) is defined as any paint with any detectable amount of lead present in it. Therefore, all LBP is considered LCP. Conversely, LCP may not meet the criteria to be considered LBP in accordance with HUD guidelines or some states' definition of LBP.

It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching, and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.

The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state, or local regulations in regards to LBP.

In buildings constructed after 1978, it is unlikely that LBP is present; however, some paints utilized after 1978 will be LCP under OSHA. Structures built prior to 1978 and especially prior to the 1960s should be expected to contain LBP.

Due to the age of the subject property buildings, there is a potential that LBP is present. During the site reconnaissance, damaged painted surfaces were observed throughout the interior and exterior of the subject property buildings. Based on the potential presence of LBP, AEI recommends the property owner implement an O&M Plan which stipulates that the assessment, repair and maintenance of damaged painted surfaces be performed to protect the health and safety of the building occupants. Local regulations may apply to LBP in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

8.3 RADON

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The United States EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three radon zones, with Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 2, which has a predicted average indoor screening level between 2 pCi/L and 4 pCi/L, equal to or below the action level of 4 pCi/L set forth by the US EPA.

8.4 MOLD

Molds are simple microscopic organisms which can often be seen in the form of discoloration, frequently green, gray, white, brown, or black. When excessive moisture or water accumulates indoors, mold growth may occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials, including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting, often play host to such growth. Mold spores primarily cause health problems through the inhalation of spores or the toxins they emit when they are present in large numbers. This can occur when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.

This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Potential areas of mold growth, such as in pipe chases, HVAC systems, and behind enclosed walls and ceilings, were not observed as part of this limited assessment.

AEI observed interior areas of the subject property buildings to identify the potential presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to suspect mold appears to be warranted at this time.

9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

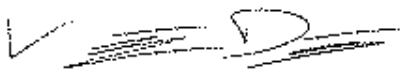
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Jeffrey L. McNeil
Associate Consultant

Reviewed By:



Victor DeTroy, REPA
Senior Author

10.0 REFERENCES

Item	Date(s)	Source
Soils Information	May 18, 2020	USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Topographic Map	2018	USGS, Venice
Depth to Groundwater Information	January 24, 2018	Case Closure Package (CCP) for Equinix Communications 1920 East Maple Avenue (adjacent on the east of the subject property)
Aerial Photographs	1923 - 2016 (non-inclusive)	EDR - 1045033
Sanborn Map Report/Search	May 20, 2020	EDR
City Directories	1920 - 2015 (non-inclusive)	EDR - 1045033
Environmental Health Department	May 18, 2020	Los Angeles County Public Health Investigations
Fire Department	May 18, 2020	El Segundo Fire Department
Building Department	May 18, 2020	El Segundo Building Department
Planning Department	May 18, 2020	El Segundo Planning Department
Assessor's Information and Parcel Map	May 18, 2020	Los Angeles County Assessor's Office
Other Agencies Searched	May 18, 2020	SWRCB GeoTracker, DTSC HWTS,, LACSD, DTSC EnviroStor and SCAQMD
Oil and Gas Wells	May 18, 2020	Geologic Energy Management Division The California Geologic Energy Management Division
Oil and Gas Pipelines	May 18, 2020	NPMS Public Map Viewer https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf
Regulatory Database Report	May 20, 2020	EDR
Interview with Key Site Manager	May 26, 2020	Mr. Paul Summers
Previous Report	November 26, 2019	*Phase I Environmental Site Assessment (*Commercial Site 650 and 700 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science
Previous Report	May 13, 2020	*Phase II Subsurface Investigation (700 North Sepulveda Boulevard, El Segundo, California 92045)*, prepared by Ramboll Environ
Previous Report	September 18, 2020	*Phase I Environmental Site Assessment (*Boeing Building II, 700 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science

Item	Date(s)	Source
Previous Report	September 18, 2020	*Phase I Environmental Site Assessment (*Boeing Buildings, 650 North Sepulveda Boulevard, El Segundo, California 92045*)*, prepared by Partner Engineering and Science
Radon Zone Information	1993	US EPA Map of Radon Zones https://www.epa.gov/radon

APPENDIX A

FIGURES

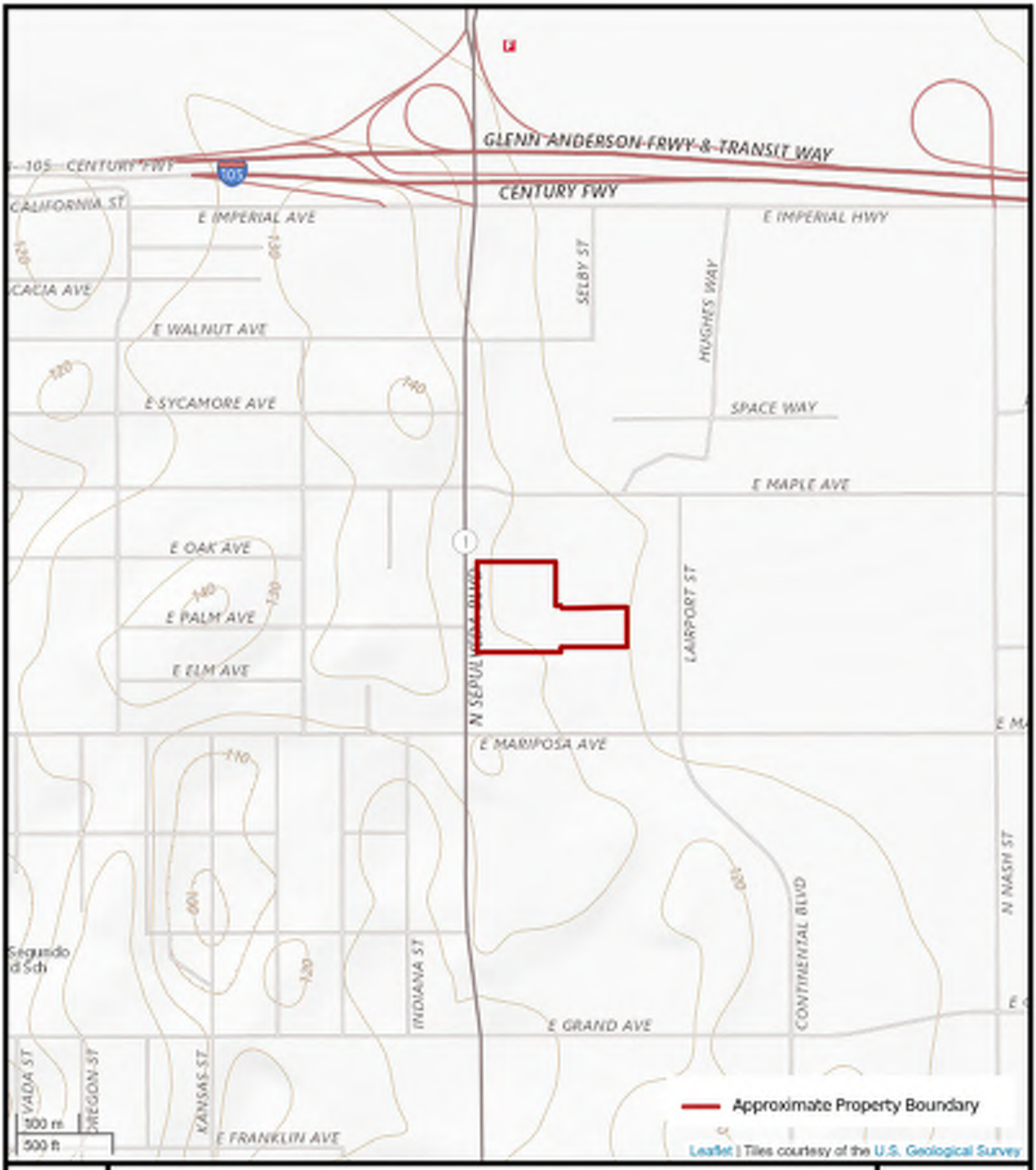


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FIGURE 1: TOPOGRAPHIC MAP

650 and 700 Pacific Coast Highway, El Segundo, California 90245

AEI Project Number: 422548

AEI Consultants

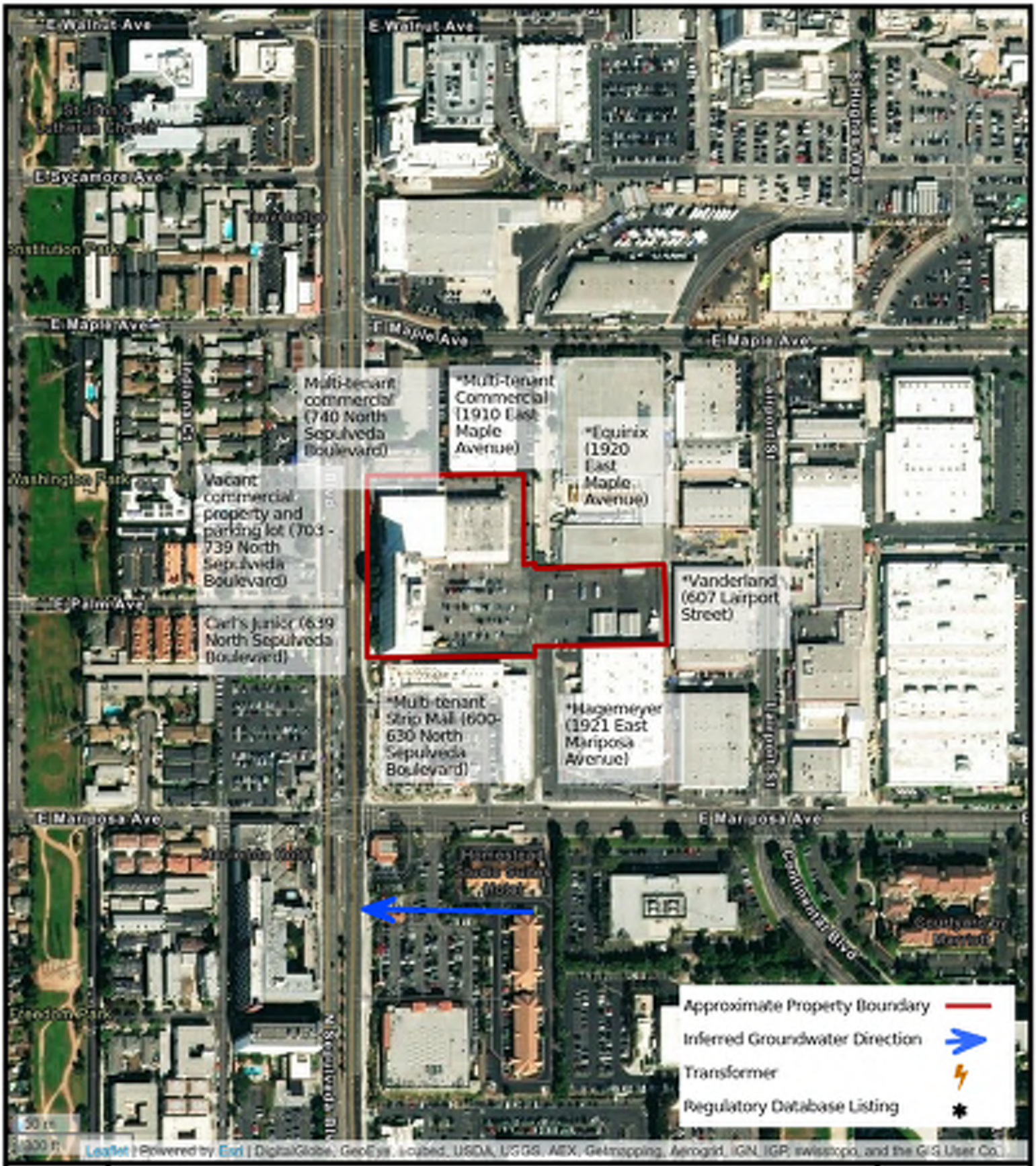

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FIGURE 2: SITE MAP

650 and 700 Pacific Coast Highway, El Segundo, California 90245
AEI Project Number: 422548

AEI Consultants

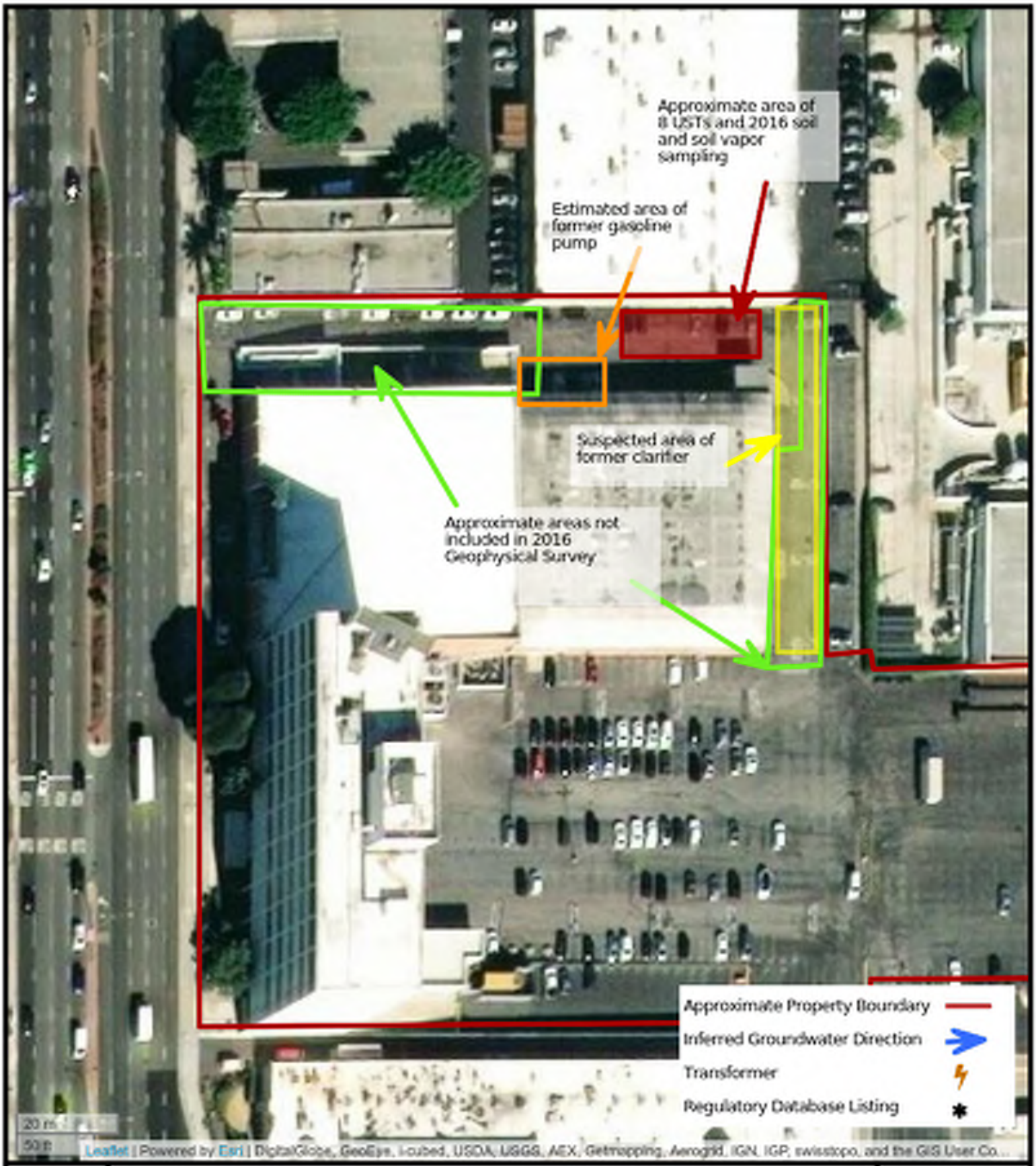

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FIGURE 3: Locations of Concern

650 and 700 Pacific Coast Highway, El Segundo, California 90245

AEI Project Number: 422548

AEI Consultants

APPENDIX B

PROPERTY PHOTOGRAPHS

1. View of subject property - western elevation

2. View of subject property - 650 address

3. View of subject property - 700 address

4. View of southern egress to subject property

5. View of eastern parking lot at subject property

6. View of parking lot and 650 addressed building

7. View of 700 addressed building

8. View of east side of subject property

9. View of 700 address parking lot

10. View of north side of subject property facing west

11. View of suspected former UST area

12. View of emergency generator enclosure

13. View of storm drain

14. View of storm drain

15. View of adjacent site on north side of subject property

16. View of adjacent site on north side of subject property

17. View of adjacent site on east side of subject property

18. View of adjacent site on east side of subject property

19. View of adjacent site on east side of subject property

20. View of adjacent site on south side of subject property

21. View of adjacent site on west side of subject property

22. View of adjacent site on west side of subject property

APPENDIX C

REGULATORY DATABASE

422548
650 and 700 Pacific Coast Highway
El Segundo, CA 90245

Inquiry Number: 6068889.2s
May 20, 2020

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Orphan Summary	920
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

COORDINATES

Latitude (North):	33.9250500 - 33° 55' 30.18''
Longitude (West):	118.3953740 - 118° 23' 43.34''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371019.4
UTM Y (Meters):	3754528.2
Elevation:	118 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640438 VENICE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	THE BOEING CO	650-700 N SEPULVEDA	RCRA NonGen / NLR		TP
A2	AERO SPACE CTR	650 N SEPULVEDA AVE	CA HAZNET, CA HWTS		TP
A3	THE BOEING CO	650-700 N SEPULVEDA	CA HAZNET, CA HWTS		TP
A4	SOUTHERN CALIFORNIA	650 N SEPULVEDA BLVD	CA HAZNET, CA HWTS		TP
A5	HUGHES SPACE & COMMU	650 - 700 N. SEPULVE	CA HAZNET, CA HWTS		TP
A6	THE BOEING COMPANY -	650 N. PACIFIC COAST	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS		TP
A7	EL SEGUNDO	650 SEPULVEDA BOULEV	ICIS, FINDS, ECHO		TP
A8	THE BOEING COMPANY	650-700 N SEPULVEDA	FINDS, ECHO		TP
B9	BOEING SATELLITE SYS	700 N. SEPULVEDA BLV	CA AST		TP
B10	DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	CA ENVIROSTOR		TP
B11	BOEING SATELLITE SYS	700 N. SEPULVEDA BLV	FINDS		TP
B12	DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	SEMS-ARCHIVE		TP
A13	HUGHES AIRCRAFT CO S	690 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	8, 0.002, West
C14	LAX PHOTO LAB	630 N SEPULVEDA UNIT	RCRA NonGen / NLR, FINDS, ECHO	Higher	98, 0.019, SW
C15	TRI-CLEANERS	630 N SEPULVEDA BLVD	CA DRYCLEANERS	Higher	98, 0.019, SW
C16	TRI-CLEANERS	630 N SEPULVEDA BLVD	EDR Hist Cleaner	Higher	98, 0.019, SW
C17	TRI - CLEANERS	630 N SEPULVEDA BLVD	CA DRYCLEANERS	Higher	98, 0.019, SW
C18	TRI CLEANERS	630 N SEPULVEDA	RCRA-SQG, FINDS, ECHO, CA DRYCLEANERS	Higher	98, 0.019, SW
C19	UNOCAL #5866	603 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Higher	130, 0.025, SW
C20	LEONARDS INTERNATION	600 N SEPULVEDA BLVD	EDR Hist Auto	Higher	174, 0.033, SSW
C21	SEGUNDO ASSOCIATES	600 N. SEPULVEDA BLV	CA UST	Higher	174, 0.033, SSW
D22	MOTTA SHELL SERVICE	765 SEPULVEDA	CA HIST UST	Higher	176, 0.033, NNW
E23	HUGHES AIRCRAFT-EDSG	1920 MAPLE ST E	CA LUST, CA HIST CORTESE, CA CERS	Lower	199, 0.038, NE
D24	MOTTA BROTHERS INC	763 N SEPULVEDA BLVD	EDR Hist Auto	Higher	201, 0.038, NNW
D25	MOTTA BROTHERS	763 N. SEPULVEDA BL.	CA UST	Higher	201, 0.038, NNW
D26	CIRCLE K STORE #2709	765 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA CERS TANKS, CA HAZNET, CA...	Higher	212, 0.040, NNW
D27	CIRCLE K STORE #2709	765 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	212, 0.040, NNW
D28	CIRCLE K STORES INC.	765 N SEPULVEDA BLVD	CA UST	Higher	212, 0.040, NNW
D29	MOBIL OIL CO	765 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	212, 0.040, NNW
D30	MOTTA BROTHERS INC	765 N SEPULVEDA BLVD	EDR Hist Auto	Higher	212, 0.040, NNW
C31	AIRPORT 5 STAR	603 N SEPULVEDA BLVD	CA UST	Higher	247, 0.047, SW
C32	TOSCO CORPORATION ST	603 N SEPULVEDA BLVD	CA HIST UST, CA HAZNET, CA HWTS	Higher	247, 0.047, SW
C33	SERVICE STATION 5866	603 N SEPULVEDA BLVD	CA SWEEPS UST, CA HIST UST	Higher	247, 0.047, SW
C34	WITT JIM UNION SERVI	603 N SEPULVEDA	EDR Hist Auto	Higher	247, 0.047, SW
C35	JAY TAAT & BANOO TAA	603 N SEPULVEDA BLVD	CA CERS TANKS, CA HAZNET, CA CERS, CA HWTS	Higher	247, 0.047, SW
C36	UNION OIL SERVICE ST	603 N SEPULVEDA BLVD	CA HIST UST	Higher	247, 0.047, SW
D37	BOB'S UNION 76	770 N. SEPULVEDA BLV	CA UST	Higher	256, 0.048, NNW
D38	UNOCAL #4613	770 SEPULVEDA BLVD N	CA LUST, CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA...	Higher	256, 0.048, NNW
D39	UNION OIL 4613	770 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA HIST UST, CA CERS TANKS, CA...	Higher	256, 0.048, NNW

MAPPED SITES SUMMARY

Target Property Address:
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	BOB'S UNION (STA 461	770 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	256, 0.048, NNW
D41	SERVICE STATION 4613	770 N SEPULVEDA	CA HIST UST	Higher	256, 0.048, NNW
D42	TOSCO CORPORATION, S	770 N.SEPULVEDA BL.	CA UST	Higher	256, 0.048, NNW
D43	KIZIRIAN BOB	770 N SEPULVEDA	EDR Hist Auto	Higher	256, 0.048, NNW
F44	ESALON.COM LLC	1910 E MAPLE AVE	RCRA NonGen / NLR	Lower	279, 0.053, North
F45	ESALON	1910 EAST MAPLE AVEN	RCRA NonGen / NLR	Lower	279, 0.053, North
F46	ESALON.COM, LLC	1910 E MAPLE AVE	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Lower	279, 0.053, North
C47	TRI-CLEANERS	630 SEPULVEDA BLVD	EDR Hist Cleaner	Higher	284, 0.054, SSW
C48	TRI-CLEANERS	630 SEPULVEDA	EDR Hist Cleaner	Higher	284, 0.054, SSW
E49	EQUINIX OPERATING CE	1920 E. MAPLE AVENUE	CA AST	Lower	339, 0.064, NNE
E50	EQUINIX LLC	1920 E MAPLE AVE	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS	Lower	339, 0.064, NNE
E51	EQUINIX COMMUNICATIO	1920 MAPLE AVE E	CA LUST, CA CERS	Lower	339, 0.064, NNE
E52	EQUINIX LLC	1920 E MAPLE AVE	CA UST	Lower	339, 0.064, NNE
E53	EQUINIX LLC	1920 E MAPLE AVE	CA AST	Lower	339, 0.064, NNE
E54	HUGNES AIRCRAFT CO E	1920 E MAPLE AVE	CA HIST UST, CA HAZNET, CA HWTS	Lower	339, 0.064, NNE
E55	EQUINIX LLC	1920 E MAPLE AVE	RCRA NonGen / NLR	Lower	339, 0.064, NNE
E56	EXODUS COMMUNICATION	1920 E MAPLE AVE	RCRA-SQG	Lower	339, 0.064, NNE
E57	HUGHES AIRCRAFT CO E	1920 E MAPLE AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	339, 0.064, NNE
E58	EQUINIX LLC	1920 E MAPLE AVE	RCRA-SQG, CA HIST UST, FINDS, ECHO	Lower	339, 0.064, NNE
E59	A100 US, LLC-LAX 51	1920 E MAPLE AVE	RCRA-VSQG	Lower	339, 0.064, NNE
G60	HUGHES	1921 MARIPOSA AVE	CA SWEEPS UST	Lower	371, 0.070, SE
G61	XPO LOGISTICS SUPPLY	1921 EAST MARIPOSA A	CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS	Lower	371, 0.070, SE
G62	RAYTHEON SYSTEMS COM	1921 E. MARIPOSA AVE	CA UST	Lower	371, 0.070, SE
G63	RAYTHEON	1917-21 E MARIPOSA A	RCRA NonGen / NLR	Lower	372, 0.070, SE
H64	HUGHES AIRCRAFT CO	607 LAIRPORT ST	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	528, 0.100, East
H65	POPKLIN REALTY	607 LAIRPORT STREET	CA UST	Lower	528, 0.100, East
I66	HUGHES AIRCRAFT/GILB	800 N. SEPULVEDA BLV	CA ENVIROSTOR, CA VCP	Higher	555, 0.105, NNW
I67	HUGHES AIRCRAFT CO S	800 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	555, 0.105, NNW
I68	HUGHES SPACE & COMMU	800 N. SEPULVEDA BL.	CA UST	Higher	555, 0.105, NNW
J69	FRITO LAY INC EL SEG	1924 EAST MAPLE	RCRA-SQG	Lower	557, 0.105, NE
K70	OVERTON MOORE & ASSO	540 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	561, 0.106, SSW
K71	THE HERTZ CORPORATIO	540 N SEPULVEDA BLVD	CA HIST UST	Higher	561, 0.106, SSW
L72	THE BOEING CO	601-603 LAIRPORT ST	RCRA-LQG	Lower	562, 0.106, ESE
L73	TRIO MANUFACTURING I	601 LAIRPORT ST	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Lower	562, 0.106, ESE
L74	TRIO MANUFACTURING I	601 LAIRPORT ST	RCRA NonGen / NLR	Lower	562, 0.106, ESE
K75	OVERTON MOORE & ASSO	541 N. SEPULVEDA BL.	CA UST	Higher	612, 0.116, SSW
H76		610 LAIRPORT ST	RCRA NonGen / NLR	Lower	659, 0.125, East
H77	BLACKMORE & ASSOCIAT	700 LAIRPORT STREET	CA UST	Lower	659, 0.125, East
H78	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA LUST, CA CERS HAZ WASTE, CA SWEEPS UST, CA LOS.	Lower	659, 0.125, East

MAPPED SITES SUMMARY

Target Property Address:
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H79	KEYSIGHT TECHNOLOGIE	700 LAIRPORT ST	RCRA NonGen / NLR	Lower	659, 0.125, East
M80	CALIBER COLLISION CE	760 LAIRPORT ST	RCRA NonGen / NLR	Lower	674, 0.128, ENE
M81	COOKS COLLISION AN A	760 LAIRPORT STREET	RCRA NonGen / NLR	Lower	674, 0.128, ENE
M82	COOKS COLLISION OF E	760 LAIRPORT ST	RCRA NonGen / NLR	Lower	674, 0.128, ENE
M83	L A X AUTOBODY	760 LAIRPORT ST	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA CERS, CA...	Lower	674, 0.128, ENE
M84	COOKS COLLISION OF E	760 LAIRPORT ST	RCRA-SQG, FINDS, ECHO	Lower	674, 0.128, ENE
M85	LG NANOH2O	750 LAIRPORT	RCRA-LQG	Lower	686, 0.130, ENE
J86	ULTRA COLOR INC	1926 EAST MAPLE	RCRA-SQG, FINDS, ECHO	Lower	810, 0.153, ENE
J87	HUGHES AIRCRAFT CO S	1925 E MAPLE AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	824, 0.156, NE
J88	EX17-1925 MAPLE JV,	1925 E. MAPLE AVE	RCRA NonGen / NLR	Lower	824, 0.156, NE
J89	HUGHES SPACE & COMMU	1925 E. MAPLE AVENUE	CA UST	Lower	824, 0.156, NE
N90	ZIEGLER, KEN	1625 E. MAPLE AVENUE	RCRA NonGen / NLR	Higher	830, 0.157, NW
N91	ZIEGLER, KEN	1625 E. MAPLE AVENUE	RCRA NonGen / NLR	Higher	830, 0.157, NW
O92	RALPHS GROCERY #645	500 N. SEPULVEDA BLV	CA CERS HAZ WASTE, CA HAZNET, CA CERS, CA HWTS	Higher	864, 0.164, South
O93	RALPHS GROCERY #645	500 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	864, 0.164, South
94	HUGHES AIRCRAFT CO/	1925 MAPLE ST E	CA LUST, CA HIST CORTESE, CA CERS	Lower	902, 0.171, NE
P95	SPRING CLEANERS	2003 E MARIPOSA AVE	CA DRYCLEANERS	Lower	1017, 0.193, ESE
Q96	RAYTHEON COMPANY	2030 MAPLE AVENUE	SEMS-ARCHIVE, RCRA-TSDF, RCRA-LQG	Lower	1136, 0.215, ENE
Q97	RAYTHEON CO	2030 MAPLE AVENUE	CA ENVIROSTOR, CA HWP, CA CERS	Lower	1136, 0.215, ENE
Q98	HUGHES AIRCRAFT COMP	2030 E. MAPLE AVENUE	CA UST	Lower	1136, 0.215, ENE
Q99	HUGHES AIRCRAFT CO R	2030 E. MAPLE ST.	NY MANIFEST	Lower	1136, 0.215, ENE
Q100	HUGHES AIRCRAFT CO R	2030 E MAPLE AVE	CA SWEEPS UST, CA HIST UST, CA NPDES, CA CIWQS	Lower	1136, 0.215, ENE
P101	KILROY INDUSTRIES	2031 E. MARIPOSA AVE	CA UST	Lower	1141, 0.216, ESE
P102	MATTEL TOYS INC	2031 MARIPOSA	CA CERS HAZ WASTE, RCRA NonGen / NLR, FINDS, ECHO,..	Lower	1141, 0.216, ESE
P103	NORTHROP CORP AIRCRA	2031 E MARIPOSA AVE	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	1141, 0.216, ESE
P104	NORTHROP CORP-AIRCRA	2031 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1141, 0.216, ESE
R105	EL SEGUNDO STORAGE A		CA ENVIROSTOR	Higher	1178, 0.223, NNW
R106	NWRIP DOD #26		CA ENVIROSTOR	Higher	1178, 0.223, NNW
R107	EL SEGUNDO STORAGE A		FUDS	Higher	1183, 0.224, NNW
R108	HUGHES SPACE & COMMU	900 SEPULVEDA	CA CPS-SLIC	Lower	1211, 0.229, North
R109	HUGHES SPACE AND COM	900 SEPULVEDA BLVD N	CA LUST, CA CPS-SLIC, CA CERS	Lower	1211, 0.229, North
Q110	MATTEL MAPLE BUILDIN	2031-2041 E MAPLE AV	CA CERS HAZ WASTE, CA CERS	Lower	1233, 0.234, ENE
S111	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	RCRA-SQG, FINDS, ECHO	Higher	1238, 0.234, SE
S112	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA NPDES, CA..	Higher	1238, 0.234, SE
S113		501 CONTINENTAL BLVD	RCRA NonGen / NLR	Higher	1238, 0.234, SE
T114	HUGHES AIRCRAFT CO S	930 N SELBY ST	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	1298, 0.246, NNE
T115	HUGHES SPACE & COMMU	930 N. SELBY STREET	CA UST	Lower	1298, 0.246, NNE
U116	NORTHROP CORP/AIRCRA	2043 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1586, 0.300, ESE
U117	NORTHROP CORP AIRCRA	2043 E MARIPOSA AVEN	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	1586, 0.300, ESE

MAPPED SITES SUMMARY

Target Property Address:
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
V118	THE BOEING COMPANY	1920 E IMPERIAL HWY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	1632, 0.309, NNE
V119	BOEING SATELLITE SYS	1920 E IMPERIAL HWY	CA ENVIROSTOR, CA DEED	Lower	1632, 0.309, NNE
120	JIM & JACK AUTO BODY	307 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Lower	1634, 0.309, South
121	TETRAFLUOR INC	2051 E MAPLE AV	CA ENVIROSTOR, CA VCP, FTTS, HIST FTTS, CA EMI, CA...	Lower	1712, 0.324, ENE
W122	MATTEL INC	1955 E GRAND AVE	CA LUST, RCRA NonGen / NLR, ECHO, CA EMI, CA HIST...	Lower	1877, 0.355, SSE
W123	GLOBAL SOLUTIONS	1955 GRAND AVE	CA LUST, CA CERS	Lower	1877, 0.355, SSE
124	INERNATIONAL RECTIFI	1521 GRAND AVE	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SWEEPS UST, CA...	Higher	1925, 0.365, SW
125	RAYTHEON COMPANY SAS	2000 E. IMPERIAL HWY	RCRA-LQG, CA LUST, CA SWEEPS UST, CA HIST UST,...	Lower	1926, 0.365, NE
X126	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA SWEEPS UST	Lower	1994, 0.378, SSW
X127	BERGAN BRUNSWICK	150 ILLINOIS	CA LUST, CA CHMIRS, CA HIST CORTESE, CA CERS	Lower	1994, 0.378, SSW
Y128	HUGHES BLDG R-18/S-4	2030 IMPERIAL HWY E	CA LUST, CA HIST CORTESE, CA CERS	Lower	2003, 0.379, NNE
Z129	GARRETT AVIATION SVC	6201 W. IMPERIAL HIG	CA ENVIROSTOR, CA EMI, CA HAZNET, CA HAZMAT, LA...	Lower	2151, 0.407, North
Z130	GARRETT AIRESEARCH	6201 IMPERIAL HWY E	CA LUST, CA CERS	Lower	2151, 0.407, North
Z131	GARRETT AIRESEARCH	6201 IMPERIAL	CA HIST CORTESE	Lower	2151, 0.407, North
132	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA CERS	Lower	2167, 0.410, SSE
Y133	KOREAN AIRLINES FREI	6101 IMPERIAL	CA HIST CORTESE	Lower	2177, 0.412, NNE
Y134	LAX - KOREAN AIRLINE	6101 IMPERIAL	CA CPS-SLIC	Lower	2177, 0.412, NNE
Y135	KOREAN AIRLINES FREI	6101 IMPERIAL HWY E	CA LUST, CA CPS-SLIC, CA CERS	Lower	2177, 0.412, NNE
Y136	KOREAN AIR CARGO TER	6101 WEST IMPERIAL H	CA CPS-SLIC, CA HIST UST, CA CERS	Lower	2177, 0.412, NNE
137	HILTON GARDEN INN	MARIPOSA AVENUE AND	CA ENVIROSTOR, CA VCP	Lower	2237, 0.424, ESE
AA138	UNITED AIRLINE FLIGH	444 NASH ST	CA LUST	Lower	2509, 0.475, ESE
AA139	UNITED AIRLINES FLIG	444 NASH ST	CA LUST, CA SWEEPS UST, CA EMI, CA HIST CORTESE,...	Lower	2509, 0.475, ESE
AB140	PILLACK PROPERTY	1410 GRAND	CA HIST CORTESE	Higher	2549, 0.483, SW
AB141	PILLACK PROPERTY	1410 GRAND AVE	CA LUST, CA CERS	Higher	2549, 0.483, SW
AC142	INTERNATIONAL RECTIF	233 KANSAS ST	CA ENVIROSTOR, CA LUST, CA CPS-SLIC, CA HIST...	Higher	2606, 0.494, SW
AC143	INTERNATIONAL RECTIF	233 KANSAS	CA CPS-SLIC	Higher	2606, 0.494, SW
AB144	INFINEON PROPERTIES	270 CALIFORNIA, 1413	CA ENVIROSTOR, CA VCP	Higher	2607, 0.494, SW
145	NORTH AMERICAN AIRCR		CA ENVIROSTOR	Lower	2884, 0.546, NE
146	400 DULEY ROAD	400 DULEY ROAD	CA ENVIROSTOR, CA VCP, CA NPDES, CA CIWQS	Lower	3049, 0.577, ESE
147	1330 EAST FRANKLIN A	1330 EAST FRANKLIN A	CA ENVIROSTOR, CA VCP	Higher	3150, 0.597, SW
148	RADIANT SERVICES	200 NEVADA STREET	CA ENVIROSTOR, CA VCP	Lower	3252, 0.616, SW
AD149	SPERRY GYROSCOPE COR		FUDS	Lower	3275, 0.620, NE
AD150	SPERRY GYROSCOPE COR		CA ENVIROSTOR	Lower	3288, 0.623, NE
AE151	RAYTHEON SPACE AND A	2000 E. EL SEGUNDO B	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	3312, 0.627, SSE
AE152	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA SWEEPS UST, CA CHMIRS, CA Financial Assurance,...	Higher	3312, 0.627, SSE
AE153	RAYTHEON CO	2000 E EL SEGUNDO BL	CA ENVIROSTOR, CA CHMIRS, CA NPDES, CA CIWQS, CA...	Higher	3312, 0.627, SSE
AF154	ROCKWELL INT'L CORP/	827 N DOUGLAS	CA ENVIROSTOR, CA HWP	Lower	3523, 0.667, ENE
AF155	WISEBURN HIGH SCHOOL	827 NORTH DOUGLAS ST	CA ENVIROSTOR, CA CPS-SLIC, CA SCH, CA HIST...	Lower	3523, 0.667, ENE
156	134 CENTER STREET	134 CENTER STREET	CA ENVIROSTOR, CA VCP	Lower	3690, 0.699, SW

MAPPED SITES SUMMARY

Target Property Address:
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
157	ALLIED SALES & SALVA	160 SEPULVEDA	CA ENVIROSTOR, CA HIST CORTESE	Lower	3722, 0.705, South
AG158	201 N. DOUGLAS PROPE	201 N. DOUGLAS STREE	CA ENVIROSTOR, CA SCH	Lower	4102, 0.777, SE
AG159	FORT MCARTHUR	200 NORTH DOUGLAS ST	CA BOND EXP. PLAN	Lower	4133, 0.783, ESE
160	NORTHROP GRUMMAN COR	800 NO DOUGLAS	CA ENVIROSTOR	Lower	4400, 0.833, East
161	AFP #9		CA ENVIROSTOR	Lower	4443, 0.841, NE
162	NORTHROP GRUMMAN EL	ONE HORNET WAY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,	Lower	4609, 0.873, East
163	NORTHROP GRUMMAN MIL	1 HORNET	CA HWP, CA NPDES, CA WDS, CA CIWQS, CA CERS	Lower	5254, 0.995, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
THE BOEING CO 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	RCRA NonGen / NLR EPA ID:: CAR000071167	CAR000071167
AERO SPACE CTR 650 N SEPULVEDA AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAX000210559 CA HWTS	N/A
THE BOEING CO 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAR000071167 CA HWTS	N/A
SOUTHERN CALIFORNIA 650 N SEPULVEDA BLVD EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002647412 CA HWTS	N/A
HUGHES SPACE & COMMU 650 - 700 N. SEPULVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAL000121434 CA HWTS	N/A
THE BOEING COMPANY - 650 N. PACIFIC COAST EL SEGUNDO, CA 90245	CA CERS HAZ WASTE CA CERS TANKS CA CERS	N/A
EL SEGUNDO 650 SEPULVEDA BOULEV EL SEGUNDO, CA 90245	ICIS FRS ID:: 110028067080 FINDS Registry ID:: 110028067080 ECHO Registry ID: 110028067080	N/A
THE BOEING COMPANY 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	FINDS Registry ID:: 110054820841 ECHO Registry ID: 110054820841	N/A
BOEING SATELLITE SYS 700 N. SEPULVEDA BLV EL SEGUNDO, CA 90245	CA AST Database: AST, Date of Government Version: 07/06/2016	N/A

DEVLIN PHARMACEUTICA 700 NORTH SEPULVEDA EL SEGUNDO, CA 90245	CA ENVIROSTOR Facility Id: 19280313 Status: No Further Action	N/A
BOEING SATELLITE SYS 700 N. SEPULVEDA BLV EL SEGUNDO, CA 90245	FINDS Registry ID:: 110065048353	N/A
DEVLIN PHARMACEUTICA 700 N SEPULVEDA BLVD EL SEGUNDO, CA 90245	SEMS-ARCHIVE Site ID: 0902293 EPA Id: CAD981373848	CAD981373848

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE ---- State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT ---- Waste Management Unit Database
CA SWRCY ---- Recycler Database
CA HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN ---- Key Areas of Concerns in Los Angeles County
US HIST CDL ---- Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites ---- Historical Calsites Database
CA CDL ---- Clandestine Drug Labs
CA Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
CA PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

EXECUTIVE SUMMARY

Local Land Records

CA LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CA LDS ---- Land Disposal Sites Listing
CA MCS ---- Military Cleanup Sites Listing
CA SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST ---- EPA WATCH LIST
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings ---- CUPA Resources List
CA ENF ---- Enforcement Action Listing
CA HWT ---- Registered Hazardous Waste Transporter Database
CA MINES ---- Mines Site Location Listing
CA MWMP ---- Medical Waste Management Program Listing
CA PEST LIC ---- Pesticide Regulation Licenses Listing
CA PROC ---- Certified Processors Database
CA Notify 65 ---- Proposition 65 Records
CA UIC ---- UIC Listing
CA UIC GEO ---- UIC GEO (GEOTRACKER)
CA WASTEWATER PITS ---- Oil Wastewater Pits Listing
CA WIP ---- Well Investigation Program Case List

CA MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT - PROJECT (GEOTRACKER)
CA WDR - Waste Discharge Requirements Listing
CA NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
CA WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
CA LOS ANGELES CO LF METHANE - Methane Producing Landfills
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF - Recovered Government Archive Solid Waste Facilities List
CA RGA LUST - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a

given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/30/2020 has revealed that there are 4 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INERNATIONAL RECTIFI	***1521 GRAND AVE***	***SW 1/4 - 1/2 (0.365 mi.)***	***124***	***624***
Site ID: 0905276				
EPA Id: CAD076208313				

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q96***	***341***
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/4 - 1/2 (0.300 mi.)***	***U117***	***519***
Site ID: 0900299				
EPA Id: CAD000627216				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V118***	***535***
Site ID: 0903305				
EPA Id: CAD060897063				

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/16/2019 has revealed that there are 4 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E. EL SEGUNDO B***	***SSE 1/2 - 1 (0.627 mi.)***	***AE151***	***728***
EPA ID:: CAD000633230				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/4 - 1/2 (0.300 mi.)***	***U117***	***519***
EPA ID:: CAD000627216				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V118***	***535***
EPA ID:: CAD060897063				
NORTHROP GRUMMAN EL	***ONE HORNET WAY***	***E 1/2 - 1 (0.873 mi.)***	***162***	***847***
EPA ID:: CAD000627273				

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA)

of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/16/2019 has revealed that there are 4 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY EPA ID:: CAT080010853	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q96***	***341***
NORTHROP CORP AIRCRA EPA ID:: CAD009687336	***2031 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.216 mi.)***	***P103***	***393***
NORTHROP CORP AIRCRA EPA ID:: CAD000627216	***2043 E MARIPOSA AVEN***	***ESE 1/4 - 1/2 (0.300 mi.)***	***U117***	***519***
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V118***	***535***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING CO EPA ID:: CAR000071589	601-603 LAIRPORT ST	ESE 0 - 1/8 (0.106 mi.)	L72	233
LG NANOH2O EPA ID:: CAL000348691	750 LAIRPORT	ENE 1/8 - 1/4 (0.130 mi.)	M85	290
RAYTHEON COMPANY EPA ID:: CAT080010853	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q96***	***341***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/16/2019 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI CLEANERS	***630 N SEPULVEDA***	***SW 0 - 1/8 (0.019 mi.)***	***C18***	***87***

EPA ID:: CAD983634742				
TELEDYNE CONTROLS LL	***501 CONTINENTAL BLVD***	***SE 1/8 - 1/4 (0.234 mi.)***	***S111***	***409***
EPA ID:: CAD981407216				

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXODUS COMMUNICATION EPA ID:: CAP000092171	1920 E MAPLE AVE	NNE 0 - 1/8 (0.064 mi.)	E56	207
EQUINIX LLC EPA ID:: CAD981398209	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E58***	***210***
FRITO LAY INC EL SEG EPA ID:: CAD981661572	1924 EAST MAPLE	NE 0 - 1/8 (0.105 mi.)	J69	231
COOKS COLLISION OF E EPA ID:: CA0001037894	***760 LAIRPORT ST***	***ENE 1/8 - 1/4 (0.128 mi.)***	***M84***	***288***
ULTRA COLOR INC EPA ID:: CAD059215616	***1926 EAST MAPLE***	***ENE 1/8 - 1/4 (0.153 mi.)***	***J86***	***294***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
A100 US, LLC-LAX 51 EPA ID:: CAR000275388	1920 E MAPLE AVE	NNE 0 - 1/8 (0.064 mi.)	E59	213

Federal institutional controls / engineering controls registries

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 02/13/2020 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V118***	***535***

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 01/27/2020 has revealed that there are 25 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT/GILB Facility Id: 19370368 Status: No Further Action	***800 N. SEPULVEDA BLV***	***NNW 0 - 1/8 (0.105 mi.)***	***I66***	***227***
EL SEGUNDO STORAGE A Facility Id: 80000076 Status: Inactive - Needs Evaluation		NNW 1/8 - 1/4 (0.223 mi.)	R105	398
NWRIP DOD #26 Facility Id: 80000638 Status: Inactive - Needs Evaluation		NNW 1/8 - 1/4 (0.223 mi.)	R106	399
INTERNATIONAL RECTIF Facility Id: 19360533 Status: Refer: RWQCB	***233 KANSAS ST***	***SW 1/4 - 1/2 (0.494 mi.)***	***AC142***	***690***
INFINEON PROPERTIES Facility Id: 60002691 Status: Active	***270 CALIFORNIA, 1413***	***SW 1/4 - 1/2 (0.494 mi.)***	***AB144***	***696***
1330 EAST FRANKLIN A Facility Id: 60002376 Status: Active	***1330 EAST FRANKLIN A***	***SW 1/2 - 1 (0.597 mi.)***	***147***	***714***
RAYTHEON CO Facility Id: 80001335 Status: Active	***2000 E EL SEGUNDO BL***	***SSE 1/2 - 1 (0.627 mi.)***	***AE153***	***805***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON CO Facility Id: 60001344 Status: Active	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q97***	***357***
NORTHROP CORP-AIRCRA Facility Id: 80001646 Status: No Action Required	2031 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.216 mi.)	P104	397
NORTHROP CORP/AIRCRA Facility Id: 80001309 Status: No Action Required	2043 E MARIPOSA AVE	ESE 1/4 - 1/2 (0.300 mi.)	U116	518
BOEING SATELLITE SYS	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V119***	***588***

Facility Id: 80001440
Status: Certified O&M - Land Use Restrictions Only

TETRAFLUOR INC	***2051 E MAPLE AV***	***ENE 1/4 - 1/2 (0.324 mi.)***	***121***	***597***
Facility Id: 60002935 Status: Active				
GARRETT AVIATION SVC	***6201 W. IMPERIAL HIG***	***N 1/4 - 1/2 (0.407 mi.)***	***Z129***	***660***
Facility Id: 71003574 Status: Refer: Other Agency				
HILTON GARDEN INN	***MARIPOSA AVENUE AND***	***ESE 1/4 - 1/2 (0.424 mi.)***	***137***	***677***
Facility Id: 19130106 Status: No Further Action				
NORTH AMERICAN AIRCR		NE 1/2 - 1 (0.546 mi.)	145	700
Facility Id: 80000838 Facility Id: 80000839 Status: Inactive - Needs Evaluation				
400 DULEY ROAD	***400 DULEY ROAD***	***ESE 1/2 - 1 (0.577 mi.)***	***146***	***702***
Facility Id: 60000905 Status: No Further Action				
RADIANT SERVICES	***200 NEVADA STREET***	***SW 1/2 - 1 (0.616 mi.)***	***148***	***722***
Facility Id: 19130119 Status: Active				
SPERRY GYROSCOPE COR		NE 1/2 - 1 (0.623 mi.)	AD150	727
Facility Id: 80000842 Status: Inactive - Needs Evaluation				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***ENE 1/2 - 1 (0.667 mi.)***	***AF154***	***819***
Facility Id: 80001734 Status: No Further Action				
WISEBURN HIGH SCHOOL	***827 NORTH DOUGLAS ST***	***ENE 1/2 - 1 (0.667 mi.)***	***AF155***	***821***
Facility Id: 60001621 Status: Inactive - Needs Evaluation				
134 CENTER STREET	***134 CENTER STREET***	***SW 1/2 - 1 (0.699 mi.)***	***156***	***825***
Facility Id: 60002642 Status: Active				
ALLIED SALES & SALVA	***160 SEPULVEDA***	***S 1/2 - 1 (0.705 mi.)***	***157***	***829***
Facility Id: 19500011 Status: Refer: Other Agency				
201 N. DOUGLAS PROPE	***201 N. DOUGLAS STREE***	***SE 1/2 - 1 (0.777 mi.)***	***AG158***	***830***
Facility Id: 60001802 Status: Active				
NORTHROP GRUMMAN COR	800 NO DOUGLAS	E 1/2 - 1 (0.833 mi.)	160	844
Facility Id: 80001311 Status: Active				
AFP #9		NE 1/2 - 1 (0.841 mi.)	161	846
Facility Id: 80000131 Status: Inactive - Needs Evaluation				

State and tribal leaking storage tank lists

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 22 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5866	***603 SEPULVEDA BLVD N***	***SW 0 - 1/8 (0.025 mi.)***	***C19***	***89***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Facility Id: I-09969 Status: Case Closed Global Id: T0603703539 Global ID: T0603703539				
UNOCAL #4613	***770 SEPULVEDA BLVD N***	***NNW 0 - 1/8 (0.048 mi.)***	***D38***	***156***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Facility Id: I-09970 Status: Case Closed Global Id: T0603792957 Global ID: T0603792957				
INERNATIONAL RECTIFI	***1521 GRAND AVE***	***SW 1/4 - 1/2 (0.365 mi.)***	***124***	***624***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 908130489 Status: Remedial action (cleanup) Underway Global ID: T0603701959				
PILLACK PROPERTY	***1410 GRAND AVE***	***SW 1/4 - 1/2 (0.483 mi.)***	***AB141***	***688***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Facility Id: I-14091 Status: Case Closed Global Id: T0603704135 Global ID: T0603704135				
INTERNATIONAL RECTIF	***233 KANSAS ST***	***SW 1/4 - 1/2 (0.494 mi.)***	***AC142***	***690***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: I-15781 Status: Preliminary site assessment underway Global ID: T0603704349				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT-EDSG	***1920 MAPLE ST E***	***NE 0 - 1/8 (0.038 mi.)***	***E23***	***94***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Facility Id: R-10916 Status: Case Closed				

Global Id: T0603704975
Global ID: T0603704975

EQUINIX COMMUNICATIO ***1920 MAPLE AVE E*** ***NNE 0 - 1/8 (0.064 mi.)*** ***E51*** ***197***
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Global Id: T10000010173

BLACKMORE ASSOCIATES ***700 LAIRPORT ST*** ***E 0 - 1/8 (0.125 mi.)*** ***H78*** ***263***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: R-11949
Status: Leak being confirmed
Global Id: T0603705083
Global ID: T0603705083

HUGHES AIRCRAFT CO/ ***1925 MAPLE ST E*** ***NE 1/8 - 1/4 (0.171 mi.)*** ***94*** ***337***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: R-13531
Status: Case Closed
Global Id: T0603705197
Global ID: T0603705197

HUGHES SPACE AND COM ***900 SEPULVEDA BLVD N*** ***N 1/8 - 1/4 (0.229 mi.)*** ***R109*** ***401***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: R-11139
Status: Pollution Characterization
Global ID: T0603705022

JIM & JACK AUTO BODY ***307 SEPULVEDA BLVD N*** ***S 1/4 - 1/2 (0.309 mi.)*** ***120*** ***594***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: I-13092
Status: Case Closed
Global Id: T0603704033
Global ID: T0603704033

MATTEL INC ***1955 E GRAND AVE*** ***SSE 1/4 - 1/2 (0.355 mi.)*** ***W122*** ***612***
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Global Id: T0603701269

GLOBAL SOLUTIONS ***1955 GRAND AVE*** ***SSE 1/4 - 1/2 (0.355 mi.)*** ***W123*** ***622***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 902450089
Status: Case Closed
Global ID: T0603701269

RAYTHEON COMPANY SAS ***2000 E. IMPERIAL HWY*** ***NE 1/4 - 1/2 (0.365 mi.)*** ***125*** ***638***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: I-12326
Status: Case Closed
Global Id: T0603703959
Global ID: T0603703959

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***SSW 1/4 - 1/2 (0.378 mi.)*** ***X126*** ***650***
Database: LUST REG 4, Date of Government Version: 09/07/2004

Facility Id: R-20565
Status: Leak being confirmed
Global ID: T0603705310

BERGAN BRUNSWICK ***150 ILLINOIS*** ***SSW 1/4 - 1/2 (0.378 mi.)*** ***X127*** ***653***
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Global Id: T0603705310

HUGHES BLDG R-18/S-4 ***2030 IMPERIAL HWY E*** ***NNE 1/4 - 1/2 (0.379 mi.)*** ***Y128*** ***657***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: 902450061
Status: Case Closed
Global Id: T0603701267
Global ID: T0603701267

GARRETT AIRESEARCH ***6201 IMPERIAL HWY E*** ***N 1/4 - 1/2 (0.407 mi.)*** ***Z130*** ***667***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: 900450570
Status: Case Closed
Global Id: T0603701073
Global ID: T0603701073

HUGHES AIRCRAFT CO C ***1990 GRAND AVE E*** ***SSE 1/4 - 1/2 (0.410 mi.)*** ***132*** ***670***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Facility Id: R-13532
Status: Case Closed
Global Id: T0603705198
Global ID: T0603705198

KOREAN AIRLINES FREI ***6101 IMPERIAL HWY E*** ***NNE 1/4 - 1/2 (0.412 mi.)*** ***Y135*** ***674***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900450561
Status: Leak being confirmed
Global ID: T0603701072

UNITED AIRLINE FLIGH 444 NASH ST ESE 1/4 - 1/2 (0.475 mi.) AA138 680
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-12973
Status: Case Closed
Global ID: T0603704019

UNITED AIRLINES FLIG ***444 NASH ST*** ***ESE 1/4 - 1/2 (0.475 mi.)*** ***AA139*** ***681***
Database: LUST, Date of Government Version: 05/13/2020
Status: Completed - Case Closed
Global Id: T0603704019

EXECUTIVE SUMMARY

CA CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 7 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL RECTIF	***233 KANSAS ST***	***SW 1/4 - 1/2 (0.494 mi.)***	***AC142***	***690***
Database: CPS-SLIC, Date of Government Version: 05/13/2020 Facility Status: Completed - Case Closed Global Id: SL184571440				
INTERNATIONAL RECTIF	233 KANSAS	SW 1/4 - 1/2 (0.494 mi.)	AC143	696
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES SPACE & COMMU	900 SEPULVEDA	N 1/8 - 1/4 (0.229 mi.)	R108	401
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Inactive				
HUGHES SPACE AND COM	***900 SEPULVEDA BLVD N***	***N 1/8 - 1/4 (0.229 mi.)***	***R109***	***401***
Database: CPS-SLIC, Date of Government Version: 05/13/2020 Facility Status: Open - Inactive Global Id: SLT4L9441895				
LAX - KOREAN AIRLINE	6101 IMPERIAL	NNE 1/4 - 1/2 (0.412 mi.)	Y134	674
Database: SLIC REG 4, Date of Government Version: 11/17/2004				
KOREAN AIRLINES FREI	***6101 IMPERIAL HWY E***	***NNE 1/4 - 1/2 (0.412 mi.)***	***Y135***	***674***
Database: CPS-SLIC, Date of Government Version: 05/13/2020 Facility Status: Open - Inactive Global Id: T0603701072				
KOREAN AIR CARGO TER	***6101 WEST IMPERIAL H***	***NNE 1/4 - 1/2 (0.412 mi.)***	***Y136***	***676***
Database: CPS-SLIC, Date of Government Version: 05/13/2020 Facility Status: Open - Inactive Global Id: SL0603769898				

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 16 CA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEGUNDO ASSOCIATES	600 N. SEPULVEDA BLV	SSW 0 - 1/8 (0.033 mi.)	C21	92
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks				
MOTTA BROTHERS	763 N. SEPULVEDA BL.	NNW 0 - 1/8 (0.038 mi.)	D25	97
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017				

Tank Status: Remediation Tanks

CIRCLE K STORES INC. 765 N SEPULVEDA BLVD NNW 0 - 1/8 (0.040 mi.) D28 122
Database: UST, Date of Government Version: 12/09/2019
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Facility Id: 300121
Permit Number: 30-0121
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: Change of Information

AIRPORT 5 STAR 603 N SEPULVEDA BLVD SW 0 - 1/8 (0.047 mi.) C31 126
Database: UST, Date of Government Version: 12/09/2019
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Facility Id: 300140
Permit Number: 30-0140
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: Change of Information
Tank Status: UST Removal

BOB'S UNION 76 770 N. SEPULVEDA BLV NNW 0 - 1/8 (0.048 mi.) D37 155
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Permit Number: 30-0017
Tank Status: Open Tanks

TOSCO CORPORATION, S 770 N.SEPULVEDA BL. NNW 0 - 1/8 (0.048 mi.) D42 174
Database: UST, Date of Government Version: 12/09/2019
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Facility Id: 300017
Permit Number: 30-0017
Tank Status: Closed Tanks
Tank Status: Change of Information

HUGHES SPACE & COMMU 800 N. SEPULVEDA BL. NNW 0 - 1/8 (0.105 mi.) I68 230
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

OVERTON MOORE & ASSO 541 N. SEPULVEDA BL. SSW 0 - 1/8 (0.116 mi.) K75 261
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Remediation Tanks

Lower Elevation	Address	Direction / Distance	Map ID	Page

EQUINIX LLC 1920 E MAPLE AVE NNE 0 - 1/8 (0.064 mi.) E52 200
Database: UST, Date of Government Version: 12/09/2019
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Permit Number: 30-0394
Permit Number: 30-0310
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: New Permit

RAYTHEON SYSTEMS COM 1921 E. MARIPOSA AVE SE 0 - 1/8 (0.070 mi.) G62 224
Database: UST, Date of Government Version: 12/09/2019
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Facility Id: 300122
Permit Number: 30-0122
Tank Status: Closed Tanks

Tank Status: UST Removal

POPKLIN REALTY	607 LAIRPORT STREET	E 0 - 1/8 (0.100 mi.)	H65	226
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Remediation Tanks				
BLACKMORE & ASSOCIAT	700 LAIRPORT STREET	E 0 - 1/8 (0.125 mi.)	H77	262
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks				
HUGHES SPACE & COMMU	1925 E. MAPLE AVENUE	NE 1/8 - 1/4 (0.156 mi.)	J89	299
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks				
HUGHES AIRCRAFT COMP	2030 E. MAPLE AVENUE	ENE 1/8 - 1/4 (0.215 mi.)	Q98	361
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks				
KILROY INDUSTRIES	2031 E. MARIPOSA AVE	ESE 1/8 - 1/4 (0.216 mi.)	P101	370
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Remediation Tanks				
HUGHES SPACE & COMMU	930 N. SELBY STREET	NNE 1/8 - 1/4 (0.246 mi.)	T115	517
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks				

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there are 2 CA AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINIX OPERATING CE	1920 E. MAPLE AVENUE	NNE 0 - 1/8 (0.064 mi.)	E49	184
Database: AST, Date of Government Version: 07/06/2016				
EQUINIX LLC	1920 E MAPLE AVE	NNE 0 - 1/8 (0.064 mi.)	E53	202
Database: AST, Date of Government Version: 07/06/2016				

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 01/27/2020 has revealed that there are 4 CA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT/GILB	***800 N. SEPULVEDA BLV***	***NNW 0 - 1/8 (0.105 mi.)***	***I66***	***227***
Status: No Further Action Facility Id: 19370368				
INFINEON PROPERTIES	***270 CALIFORNIA, 1413***	***SW 1/4 - 1/2 (0.494 mi.)***	***AB144***	***696***
Status: Active Facility Id: 60002691				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TETRAFLUOR INC	***2051 E MAPLE AV***	***ENE 1/4 - 1/2 (0.324 mi.)***	***121***	***597***

Status: Active
Facility Id: 60002935

HILTON GARDEN INN	***MARIPOSA AVENUE AND***	***ESE 1/4 - 1/2 (0.424 mi.)***	***137***	***677***

Status: No Further Action
Facility Id: 19130106

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CA CERS HAZ WASTE list, as provided by EDR, and dated 01/21/2020 has revealed that there are 12 CA CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2709	***765 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.040 mi.)***	***D26***	***98***
UNION OIL 4613	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***D39***	***160***
RALPHS GROCERY #645	***500 N. SEPULVEDA BLV***	***S 1/8 - 1/4 (0.164 mi.)***	***O92***	***301***
TELEDYNE CONTROLS LL	***501 CONTINENTAL BLVD***	***SE 1/8 - 1/4 (0.234 mi.)***	***S112***	***413***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ESALON.COM, LLC	***1910 E MAPLE AVE***	***N 0 - 1/8 (0.053 mi.)***	***F46***	***179***
EQUINIX LLC	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E50***	***185***
XPO LOGISTICS SUPPLY	***1921 EAST MARIPOSA A***	***SE 0 - 1/8 (0.070 mi.)***	***G61***	***217***
TRIO MANUFACTURING I	***601 LAIRPORT ST***	***ESE 0 - 1/8 (0.106 mi.)***	***L73***	***236***
BLACKMORE ASSOCIATES	***700 LAIRPORT ST***	***E 0 - 1/8 (0.125 mi.)***	***H78***	***263***
L A X AUTOBODY	***760 LAIRPORT ST***	***ENE 1/8 - 1/4 (0.128 mi.)***	***M83***	***276***
MATTEL TOYS INC	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.216 mi.)***	***P102***	***370***
MATTEL MAPLE BUILDIN	***2031-2041 E MAPLE AV***	***ENE 1/8 - 1/4 (0.234 mi.)***	***Q110***	***403***

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 13 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO S	***690 N SEPULVEDA BLVD***	***W 0 - 1/8 (0.002 mi.)***	***A13***	***81***
Status: A Comp Number: 10342				
MOBIL OIL CO	***765 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.040 mi.)***	***D29***	***124***

Status: A
Tank Status: A
Comp Number: 9747

SERVICE STATION 5866 Comp Number: 9969	***603 N SEPULVEDA BLVD***	***SW 0 - 1/8 (0.047 mi.)***	***C33***	***137***
UNOCAL #4613 Status: A Tank Status: A Comp Number: 9970	***770 SEPULVEDA BLVD N***	***NNW 0 - 1/8 (0.048 mi.)***	***D38***	***156***
HUGHES AIRCRAFT CO S Comp Number: 13533	***800 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.105 mi.)***	***I67***	***229***
OVERTON MOORE & ASSO Status: A Comp Number: 9105	***540 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.106 mi.)***	***K70***	***232***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO E Status: A Tank Status: A Comp Number: 10916	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E57***	***208***
HUGHES Status: A Tank Status: A Comp Number: 10311	1921 MARIPOSA AVE	SE 0 - 1/8 (0.070 mi.)	G60	216
HUGHES AIRCRAFT CO Status: A Comp Number: 10262	***607 LAIRPORT ST***	***E 0 - 1/8 (0.100 mi.)***	***H64***	***226***
BLACKMORE ASSOCIATES Status: A Comp Number: 11949	***700 LAIRPORT ST***	***E 0 - 1/8 (0.125 mi.)***	***H78***	***263***
HUGHES AIRCRAFT CO S Comp Number: 13531	***1925 E MAPLE AVE***	***NE 1/8 - 1/4 (0.156 mi.)***	***J87***	***296***
HUGHES AIRCRAFT CO R Status: A Tank Status: A Comp Number: 9550	***2030 E MAPLE AVE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q100***	***362***
HUGHES AIRCRAFT CO S Status: A Tank Status: A Comp Number: 13537	***930 N SELBY ST***	***NNE 1/8 - 1/4 (0.246 mi.)***	***T114***	***516***

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 10 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTTA SHELL SERVICE	765 SEPULVEDA	NNW 0 - 1/8 (0.033 mi.)	D22	93

Facility Id: 00000016924

TOSCO CORPORATION ST	***603 N SEPULVEDA BLVD***	***SW 0 - 1/8 (0.047 mi.)***	***C32***	***128***
SERVICE STATION 5866	***603 N SEPULVEDA BLVD***	***SW 0 - 1/8 (0.047 mi.)***	***C33***	***137***
Facility Id: 00000007640				
UNION OIL SERVICE ST	603 N SEPULVEDA BLVD	SW 0 - 1/8 (0.047 mi.)	C36	155
Facility Id: 00000055375				
UNION OIL 4613	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***D39***	***160***
Facility Id: 00000061004				
SERVICE STATION 4613	770 N SEPULVEDA	NNW 0 - 1/8 (0.048 mi.)	D41	173
Facility Id: 00000017466				
THE HERTZ CORPORATIO	540 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.106 mi.)	K71	233
Facility Id: 00000005367				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
HUGNES AIRCRAFT CO E	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E54***	***202***
EQUINIX LLC	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E58***	***210***
Facility Id: 00000029297				
HUGHES AIRCRAFT CO R	***2030 E MAPLE AVE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q100***	***362***
Facility Id: 00000029277				

CA CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CA CERS TANKS list, as provided by EDR, and dated 01/21/2020 has revealed that there are 4 CA CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
CIRCLE K STORE #2709	***765 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.040 mi.)***	***D26***	***98***
JAY TAAT & BANOO TAA	***603 N SEPULVEDA BLVD***	***SW 0 - 1/8 (0.047 mi.)***	***C35***	***140***
UNION OIL 4613	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***D39***	***160***

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
EQUINIX LLC	***1920 E MAPLE AVE***	***NNE 0 - 1/8 (0.064 mi.)***	***E50***	***185***

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 03/02/2020 has revealed that there is 1 CA DEED site within approximately 0.5 miles of the target property.

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
BOEING SATELLITE SYS	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V119***	***588***
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY				
Envirostor ID: 80001440				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/16/2019 has revealed that there are 20 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAX PHOTO LAB EPA ID:: CAD983634171	***630 N SEPULVEDA UNIT***	***SW 0 - 1/8 (0.019 mi.)***	***C14***	***81***
CIRCLE K STORE #2709 EPA ID:: CAL000369642	765 N SEPULVEDA BLVD	NNW 0 - 1/8 (0.040 mi.)	D27	121
BOB'S UNION (STA 461 EPA ID:: CAL000094560	770 N SEPULVEDA BLVD	NNW 0 - 1/8 (0.048 mi.)	D40	172
ZIEGLER, KEN EPA ID:: CAC002990127	1625 E. MAPLE AVENUE	NW 1/8 - 1/4 (0.157 mi.)	N90	299
ZIEGLER, KEN EPA ID:: CAC002991209	1625 E. MAPLE AVENUE	NW 1/8 - 1/4 (0.157 mi.)	N91	300
RALPHS GROCERY #645 EPA ID:: CAL000320877	500 N SEPULVEDA BLVD	S 1/8 - 1/4 (0.164 mi.)	O93	336
Not reported EPA ID:: CAL000448460	501 CONTINENTAL BLVD	SE 1/8 - 1/4 (0.234 mi.)	S113	515

Lower Elevation	Address	Direction / Distance	Map ID	Page
ESALON.COM LLC EPA ID:: CAL000431165	1910 E MAPLE AVE	N 0 - 1/8 (0.053 mi.)	F44	177
ESALON EPA ID:: CAC002982059	1910 EAST MAPLE AVEN	N 0 - 1/8 (0.053 mi.)	F45	178
EQUINIX LLC EPA ID:: CAL000315207	1920 E MAPLE AVE	NNE 0 - 1/8 (0.064 mi.)	E55	206
RAYTHEON EPA ID:: CAL000170201	1917-21 E MARIPOSA A	SE 0 - 1/8 (0.070 mi.)	G63	224
TRIO MANUFACTURING I EPA ID:: CAL000229764	601 LAIRPORT ST	ESE 0 - 1/8 (0.106 mi.)	L74	259
Not reported EPA ID:: CAL000382104	610 LAIRPORT ST	E 0 - 1/8 (0.125 mi.)	H76	261
KEYSIGHT TECHNOLOGIE EPA ID:: CAL000437065	700 LAIRPORT ST	E 0 - 1/8 (0.125 mi.)	H79	271
CALIBER COLLISION CE EPA ID:: CAL000443264	760 LAIRPORT ST	ENE 1/8 - 1/4 (0.128 mi.)	M80	272
COOKS COLLISION AN A EPA ID:: CAL000439827	760 LAIRPORT STREET	ENE 1/8 - 1/4 (0.128 mi.)	M81	273
COOKS COLLISION OF E	760 LAIRPORT ST	ENE 1/8 - 1/4 (0.128 mi.)	M82	275

EPA ID:: CAL000373971				
EX17-1925 MAPLE JV, EPA ID:: CAC002971694	1925 E. MAPLE AVE	NE 1/8 - 1/4 (0.156 mi.)	J88	297
MATTEL TOYS INC EPA ID:: CAD982433401	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.216 mi.)***	***P102***	***370***
NORTHROP CORP AIRCRA EPA ID:: CAD009687336	***2031 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.216 mi.)***	***P103***	***393***

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 01/28/2020 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SEGUNDO STORAGE A		NNW 1/8 - 1/4 (0.224 mi.)	R107	401

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPERRY GYROSCOPE COR		NE 1/2 - 1 (0.620 mi.)	AD149	726

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT MCARTHUR	200 NORTH DOUGLAS ST	ESE 1/2 - 1 (0.783 mi.)	AG159	844

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, has revealed that there are 4 CA DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI-CLEANERS	630 N SEPULVEDA BLVD	SW 0 - 1/8 (0.019 mi.)	C15	83
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 01/31/2020				
TRI - CLEANERS	630 N SEPULVEDA BLVD	SW 0 - 1/8 (0.019 mi.)	C17	85
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 01/31/2020				
TRI CLEANERS	***630 N SEPULVEDA***	***SW 0 - 1/8 (0.019 mi.)***	***C18***	***87***
Database: DRYCLEANERS, Date of Government Version: 12/04/2019 EPA Id: CAD983634742				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPRING CLEANERS	2003 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.193 mi.)	P95	340
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 01/31/2020				

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 15 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5866 Reg Id: I-09969	***603 SEPULVEDA BLVD N***	***SW 0 - 1/8 (0.025 mi.)***	***C19***	***89***
INERNATIONAL RECTIFI Reg Id: 908130489	***1521 GRAND AVE***	***SW 1/4 - 1/2 (0.365 mi.)***	***124***	***624***
PILLACK PROPERTY Reg Id: I-14091	1410 GRAND	SW 1/4 - 1/2 (0.483 mi.)	AB140	687
INTERNATIONAL RECTIF Reg Id: I-15781	***233 KANSAS ST***	***SW 1/4 - 1/2 (0.494 mi.)***	***AC142***	***690***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT-EDSG Reg Id: R-10916	***1920 MAPLE ST E***	***NE 0 - 1/8 (0.038 mi.)***	***E23***	***94***
HUGHES AIRCRAFT CO/ Reg Id: R-13531	***1925 MAPLE ST E***	***NE 1/8 - 1/4 (0.171 mi.)***	***94***	***337***
JIM & JACK AUTO BODY Reg Id: I-13092	***307 SEPULVEDA BLVD N***	***S 1/4 - 1/2 (0.309 mi.)***	***120***	***594***
MATTEL INC Reg Id: 902450089	***1955 E GRAND AVE***	***SSE 1/4 - 1/2 (0.355 mi.)***	***W122***	***612***
RAYTHEON COMPANY SAS Reg Id: I-12326	***2000 E. IMPERIAL HWY***	***NE 1/4 - 1/2 (0.365 mi.)***	***125***	***638***
BERGAN BRUNSWICK Reg Id: R-20565 Reg Id: 263	***150 ILLINOIS***	***SSW 1/4 - 1/2 (0.378 mi.)***	***X127***	***653***
HUGHES BLDG R-18/S-4 Reg Id: 902450061	***2030 IMPERIAL HWY E***	***NNE 1/4 - 1/2 (0.379 mi.)***	***Y128***	***657***
GARRETT AIRESEARCH Reg Id: 900450570	6201 IMPERIAL	N 1/4 - 1/2 (0.407 mi.)	Z131	670
HUGHES AIRCRAFT CO C Reg Id: R-13532	***1990 GRAND AVE E***	***SSE 1/4 - 1/2 (0.410 mi.)***	***132***	***670***
KOREAN AIRLINES FREI Reg Id: 900450561	6101 IMPERIAL	NNE 1/4 - 1/2 (0.412 mi.)	Y133	674
UNITED AIRLINES FLIG Reg Id: I-12973	***444 NASH ST***	***ESE 1/4 - 1/2 (0.475 mi.)***	***AA139***	***681***

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 02/18/2020 has revealed that there are 7 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***SSE 1/2 - 1 (0.627 mi.)***	***AE152***	***769***
EPA Id: CAD000633230				
Cleanup Status: UNDERGOING CLOSURE				

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON CO	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.215 mi.)***	***Q97***	***357***
EPA Id: CAT080010853				
Cleanup Status: UNDERGOING CLOSURE				
MATTEL TOYS INC	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.216 mi.)***	***P102***	***370***
EPA Id: CAD009687336				
Cleanup Status: PROTECTIVE FILER				
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/4 - 1/2 (0.300 mi.)***	***U117***	***519***
EPA Id: CAD000627216				
Cleanup Status: CLOSED				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.309 mi.)***	***V118***	***535***
EPA Id: CAD060897063				
Cleanup Status: CLOSED				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***ENE 1/2 - 1 (0.667 mi.)***	***AF154***	***819***
EPA Id: CAD097855126				
Cleanup Status: CLOSED				
NORTHROP GRUMMAN MIL	***1 HORNET***	***ESE 1/2 - 1 (0.995 mi.)***	***163***	***906***
EPA Id: CAD000627273				
Cleanup Status: CLOSED				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO R	2030 E. MAPLE ST.	ENE 1/8 - 1/4 (0.215 mi.)	Q99	361
EPA ID: CAT080010853				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk

Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEONARDS INTERNATION	600 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.033 mi.)	C20	92
MOTTA BROTHERS INC	763 N SEPULVEDA BLVD	NNW 0 - 1/8 (0.038 mi.)	D24	97
MOTTA BROTHERS INC	765 N SEPULVEDA BLVD	NNW 0 - 1/8 (0.040 mi.)	D30	126
WITT JIM UNION SERVI	603 N SEPULVEDA	SW 0 - 1/8 (0.047 mi.)	C34	139
KIZIRIAN BOB	770 N SEPULVEDA	NNW 0 - 1/8 (0.048 mi.)	D43	176

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 3 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

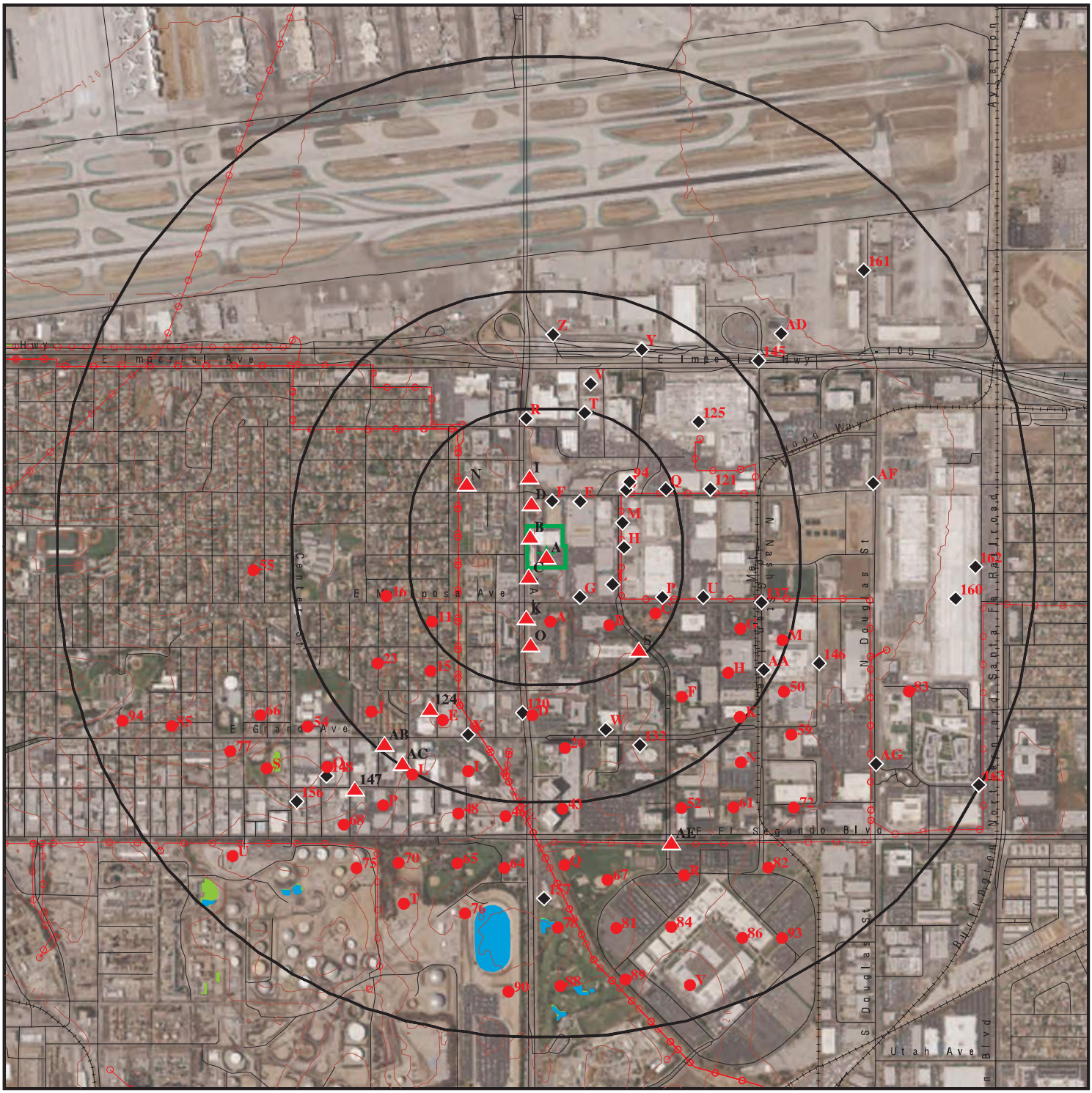
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI-CLEANERS	630 N SEPULVEDA BLVD	SW 0 - 1/8 (0.019 mi.)	C16	85
TRI-CLEANERS	630 SEPULVEDA BLVD	SSW 0 - 1/8 (0.054 mi.)	C47	183
TRI-CLEANERS	630 SEPULVEDA	SSW 0 - 1/8 (0.054 mi.)	C48	184

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name	Database(s)
SOUTHERN CALIFORNIA DISPOSAL	CA SWF/LF, CA LOS ANGELES CO LF METHANE
ULTA BEAUTY #1580 (EL SEGUNDO)	CA CERS HAZ WASTE
NORDSTROM INC. 162	CA CERS HAZ WASTE
CITY OF EL SEGUNDO	CA LUST, CA HIST CORTESE
ROCKWELL INTL CORP EL SEGUNDO	CORRACTS, RCRA-TSDF, RCRA-SQG, PADS, NY MANIFEST
	CA CDL
EL SEGUNDO CITY DUMP	CA SWF/LF
835 LAPHAM STREET	CA ENVIROSTOR

OVERVIEW MAP - 6068889.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	422548	CLIENT:	AEI Consultants
ADDRESS:	650 and 700 Pacific Coast Highway El Segundo CA 90245	CONTACT:	Lacee Elam
		INQUIRY #:	6068889.2s
LAT/LONG:	33.92505 / 118.395374	DATE:	May 20, 2020 10:24 am

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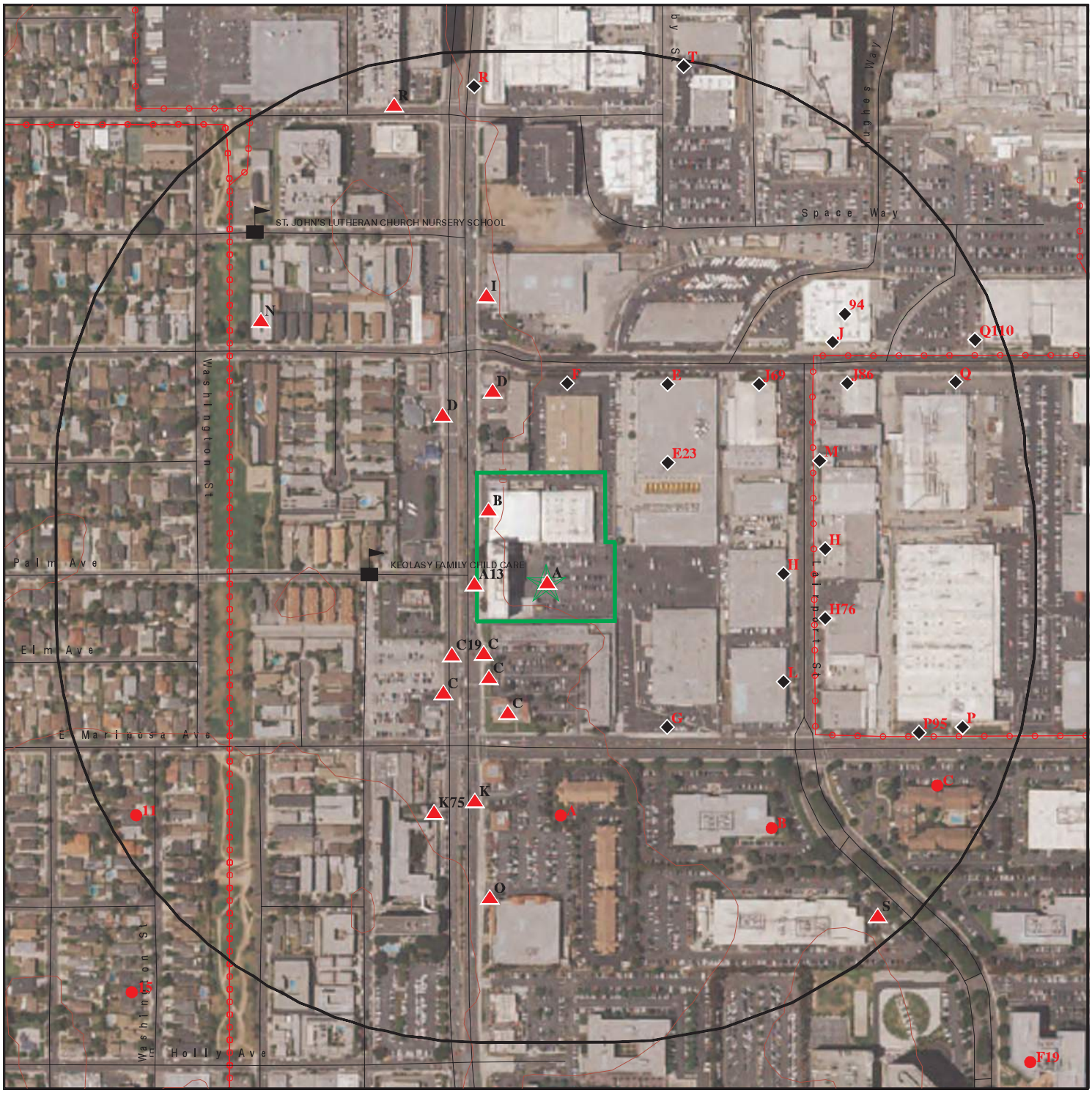
DETAIL MAP - 6068889.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 422548	CLIENT: AEI Consultants
ADDRESS: 650 and 700 Pacific Coast Highway El Segundo CA 90245	CONTACT: Lacee Elam INQUIRY #: 6068889.2s
LAT/LONG: 33.92505 / 118.395374	DATE: May 20, 2020 10:25 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500	1	0	1	3	NR	NR	5
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	2	2	NR	4
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	2	2	NR	NR	4
Federal RCRA generators list								
RCRA-LQG	0.250		1	2	NR	NR	NR	3
RCRA-SQG	0.250		4	3	NR	NR	NR	7
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000	1	1	4	7	13	NR	26
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		5	2	15	NR	NR	22

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		0	2	5	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250		12	4	NR	NR	NR	16
CA AST	0.250	1	2	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		1	0	3	NR	NR	4
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA CERS HAZ WASTE	0.250	1	7	5	NR	NR	NR	13
CA Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
CA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250		10	3	NR	NR	NR	13
CA HIST UST	0.250		9	1	NR	NR	NR	10
CA CERS TANKS	0.250	1	4	0	NR	NR	NR	5
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP		NR	NR	NR	NR	NR	0
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	10	10	NR	NR	NR	21
FUDS	1.000		0	1	0	1	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	3	NR	NR	NR	NR	NR	3
ECHO	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA DRYCLEANERS	0.250		3	1	NR	NR	NR	4
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	4	NR	NR	NR	NR	NR	4
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		2	1	12	NR	NR	15
CA LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
CA HWP	1.000		0	2	2	3	NR	7
CA HWT	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA UIC GEO	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CA PROJECT	TP		NR	NR	NR	NR	NR	0
CA WDR	TP		NR	NR	NR	NR	NR	0
CA CIWQS	TP		NR	NR	NR	NR	NR	0
CA CERS	TP	1	NR	NR	NR	NR	NR	1
CA NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
CA OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
CA PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CA SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
CA WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
CA LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
CA HWTS	TP	4	NR	NR	NR	NR	NR	4
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		5	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		3	NR	NR	NR	NR	3

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		21	80	45	53	20	0	219

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property **THE BOEING CO**
650-700 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

RCRA NonGen / NLR **1001967613** **CAR000071167**

Site 1 of 9 in cluster A

Actual: 118 ft.

RCRA NonGen / NLR:

Date form received by agency:	2012-12-19 00:00:00.0
Facility name:	THE BOEING CO
Site name:	THE BOEING COMPANY
Facility address:	650-700 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAR000071167
Mailing address:	PO BOX 92919 W S01 D381 LOS ANGELES, CA 90009
Contact:	JERROD J NEWLANDER
Contact address:	PO BOX 92919 W S01 D381 LOS ANGELES, CA 90009
Contact country:	US
Contact telephone:	310-416-5680
Contact email:	JERROD.J.NEWLANDER@BOEING.COM
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	PO BOX 92919 W S01 D381 LOS ANGELES, CA 90009
Owner/operator country:	US
Owner/operator telephone:	310-416-5680
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2000-10-06 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

THE BOEING CO (Continued) **1001967613**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 2001-01-03 00:00:00.0
Site name: THE BOEING CO
Classification: Not a generator, verified

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

THE BOEING CO (Continued) **1001967613**

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

A2 Target Property **AERO SPACE CTR**
650 N SEPULVEDA AVE
EL SEGUNDO, CA 90245

CA HAZNET S123780216
CA HWTS N/A

Site 2 of 9 in cluster A

Actual: 118 ft.

HAZNET:

Name:	AERO SPACE CTR
Address:	650 N SEPULVEDA AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
Contact:	TONY LUCA
Telephone:	2136478380
Mailing Name:	Not reported
Mailing Address:	--
Year:	1985
Gepaid:	CAX000210559
TSD EPA ID:	CAD099990947
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	29.498
Year:	1985
Gepaid:	CAX000210559
TSD EPA ID:	Not reported
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	14 -
Tons:	0.25
Year:	1985
Gepaid:	CAX000210559
TSD EPA ID:	CAD099990947
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	03 -
Tons:	29.498
Year:	1985
Gepaid:	CAX000210559
TSD EPA ID:	CAD099990947
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	88.494
Year:	1985
Gepaid:	CAX000210559
TSD EPA ID:	CAD099990947
CA Waste Code:	-
Disposal Method:	03 -
Tons:	5

AERO SPACE CTR (Continued) **S123780216**

HWTS:

Name:	AERO SPACE CTR
Address:	650 N SEPULVEDA AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA ID:	CAX000210559
Inactive Date:	01/01/1900
Create Date:	04/05/1985
Last Act Date:	07/09/1998
Mailing Name:	Not reported
Mailing Address:	--
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900090000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	TONY LUCA
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

A3 **THE BOEING CO** **CA HAZNET** **S113174902**
Target **650-700 N SEPULVEDA BLVD** **CA HWTS** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 3 of 9 in cluster A

Actual:
118 ft.

HAZNET:

Name:	THE BOEING CO
Address:	650-700 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
Contact:	JERROD NEWLANDER
Telephone:	3103458778
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919 W/S25/D581
Year:	2016
Gepaid:	CAR000071167
TSD EPA ID:	CAD980675276
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.61
Year:	2014
Gepaid:	CAR000071167
TSD EPA ID:	CAD060897063
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2014
Gepaid:	CAR000071167
TSD EPA ID:	CAD060897063

THE BOEING CO (Continued) **S113174902**

CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025

Year: 2013
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15

Year: 2013
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Year: 2013
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Year: 2012
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2012
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2011
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.375

Year: 2011
Gepaid: CAR000071167
TSD EPA ID: CAD060897063
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent

THE BOEING CO (Continued) **S113174902**

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2014
Gen EPA ID: CAR000071167

Shipment Date: 20140124
Creation Date: 3/26/2014 22:15:09
Receipt Date: 20140124
Manifest ID: 007008945JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD060897063
Trans Name: THE BOEING COMPANY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 151 - Asbestos-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140108
Creation Date: 3/26/2014 22:15:09
Receipt Date: 20140108
Manifest ID: 007008937JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD060897063
Trans Name: THE BOEING COMPANY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 352 - Other organic solids
RCRA Code: F003
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000071167
Shipment Date:	20091201
Creation Date:	1/11/2010 18:30:22
Receipt Date:	20091202
Manifest ID:	000318448JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.2
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090708
Creation Date:	8/25/2009 18:30:22
Receipt Date:	20090708
Manifest ID:	000318402JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.136
Waste Quantity:	272
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 5:	Not reported
Shipment Date:	20090520
Creation Date:	6/16/2009 18:30:30
Receipt Date:	20090520
Manifest ID:	000318390JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	7.2
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090408
Creation Date:	5/29/2009 18:30:40
Receipt Date:	20090408
Manifest ID:	000318371JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090325
Creation Date:	4/29/2009 18:30:21
Receipt Date:	20090325
Manifest ID:	000318367JJK
Trans EPA ID:	NJD080631369

THE BOEING CO (Continued) **S113174902**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090226
Creation Date:	4/8/2009 18:30:08
Receipt Date:	20090226
Manifest ID:	000318364JJK
Trans EPA ID:	CAD004778742
Trans Name:	STURGEON & SON INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	14
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAR000071167
Shipment Date:	20071221
Creation Date:	3/6/2008 18:30:13
Receipt Date:	20071221
Manifest ID:	000318219JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

THE BOEING CO (Continued) **S113174902**

TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071127
Creation Date:	2/29/2008 18:30:45
Receipt Date:	20071127
Manifest ID:	000318208JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.272
Waste Quantity:	544
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070807
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20070807
Manifest ID:	000318157JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U220
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

THE BOEING CO (Continued) **S113174902**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	U154
Additional Code 2:	U002
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070807
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20070807
Manifest ID:	000318157JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070518
Creation Date:	10/18/2007 18:30:17
Receipt Date:	20070518
Manifest ID:	000318128JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070126
Creation Date:	2/23/2008 18:30:16
Receipt Date:	20070126
Manifest ID:	000318081JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.204
Waste Quantity:	408
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAR000071167
Shipment Date:	20001215
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001215
Manifest ID:	99595516
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001004

THE BOEING CO (Continued) **S113174902**

Creation Date:	12/8/2000 0:00:00
Receipt Date:	20001004
Manifest ID:	99595430
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000927
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000927
Manifest ID:	99595412
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000913
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000913
Manifest ID:	99595399
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported

THE BOEING CO (Continued) **S113174902**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000728
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000728
Manifest ID:	99595386
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000607
Creation Date:	8/9/2000 0:00:00
Receipt Date:	20000607
Manifest ID:	99595335
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000524
Creation Date:	8/9/2000 0:00:00
Receipt Date:	20000524
Manifest ID:	99595324
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	322 - Biological waste other than sewage sludge
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000510
Creation Date:	7/12/2000 0:00:00
Receipt Date:	20000510
Manifest ID:	99595316
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2435
Waste Quantity:	487
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000071167

THE BOEING CO (Continued) **S113174902**

Shipment Date:	20020911
Creation Date:	1/28/2003 18:32:43
Receipt Date:	20020911
Manifest ID:	21166046
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020719
Creation Date:	1/21/2003 18:30:55
Receipt Date:	20020719
Manifest ID:	21166019
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020522
Creation Date:	7/30/2002 18:31:21
Receipt Date:	20020522
Manifest ID:	21166798
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063

THE BOEING CO (Continued) **S113174902**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.272
Waste Quantity:	544
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020501
Creation Date:	7/30/2002 18:31:21
Receipt Date:	20020501
Manifest ID:	21166787
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020213
Creation Date:	7/2/2002 18:31:06
Receipt Date:	20020213
Manifest ID:	99595591
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.252
Waste Quantity:	504
Quantity Unit:	P

THE BOEING CO (Continued) **S113174902**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020104
Creation Date:	3/7/2002 0:00:00
Receipt Date:	20020104
Manifest ID:	21166489
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAR000071167
Shipment Date:	20011214
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011214
Manifest ID:	21166486
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.136
Waste Quantity:	272
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

THE BOEING CO (Continued) **S113174902**

Shipment Date:	20011017
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011017
Manifest ID:	21166462
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.137
Waste Quantity:	274
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010911
Creation Date:	12/17/2001 0:00:00
Receipt Date:	Not reported
Manifest ID:	21166454
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010813
Creation Date:	10/3/2001 0:00:00
Receipt Date:	20010813
Manifest ID:	21166706
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117

THE BOEING CO (Continued) **S113174902**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010725
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010725
Manifest ID:	21166428
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010516
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010516
Manifest ID:	99595567
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P

THE BOEING CO (Continued) **S113174902**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010427
Creation Date:	6/20/2001 0:00:00
Receipt Date:	20010427
Manifest ID:	99595562
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010216
Creation Date:	4/19/2001 0:00:00
Receipt Date:	20010222
Manifest ID:	99595530
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000071167

THE BOEING CO (Continued) **S113174902**

Shipment Date:	20081120
Creation Date:	12/22/2008 18:30:21
Receipt Date:	20081120
Manifest ID:	000318322JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6.4
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080808
Creation Date:	10/13/2008 18:30:08
Receipt Date:	20080808
Manifest ID:	000318273JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080808
Creation Date:	10/13/2008 18:30:08
Receipt Date:	20080808
Manifest ID:	000318273JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

THE BOEING CO (Continued) **S113174902**

TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080808
Creation Date:	10/13/2008 18:30:08
Receipt Date:	20080808
Manifest ID:	000318273JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080618
Creation Date:	8/11/2008 18:30:08
Receipt Date:	20080618
Manifest ID:	000318263JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

THE BOEING CO (Continued) **S113174902**

Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080530
Creation Date:	9/10/2008 18:30:25
Receipt Date:	20080530
Manifest ID:	000318256JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.068
Waste Quantity:	136
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000071167
Shipment Date:	20041109
Creation Date:	4/19/2005 14:17:07
Receipt Date:	20041109
Manifest ID:	21166391
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041109
Creation Date:	4/19/2005 14:17:07
Receipt Date:	20041109
Manifest ID:	21166391
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NR
Disposal Method:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041109
Creation Date:	4/19/2005 14:17:07
Receipt Date:	20041109
Manifest ID:	21166391
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NR
Disposal Method:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041109
Creation Date:	1/28/2005 18:31:06
Receipt Date:	20041112
Manifest ID:	21166392

THE BOEING CO (Continued) **S113174902**

Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES AZUSA
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041109
Creation Date:	4/19/2005 14:17:07
Receipt Date:	20041109
Manifest ID:	21166391
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041018
Creation Date:	12/21/2004 18:31:57
Receipt Date:	20041018
Manifest ID:	21166380
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT KH
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste

THE BOEING CO (Continued) **S113174902**

RCRA Code:	NR
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041008
Creation Date:	12/31/2004 18:31:40
Receipt Date:	20041008
Manifest ID:	21166373
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	NR
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.136
Waste Quantity:	272
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040816
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040816
Manifest ID:	21166347
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT KH
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	NR
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAR000071167
Shipment Date:	20111216
Creation Date:	3/16/2012 20:30:29
Receipt Date:	20111216
Manifest ID:	007008663JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111101
Creation Date:	1/6/2012 18:30:33
Receipt Date:	20111101
Manifest ID:	007008653JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110830

THE BOEING CO (Continued) **S113174902**

Creation Date:	10/22/2011 18:30:26
Receipt Date:	20110830
Manifest ID:	007008632JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110726
Creation Date:	9/16/2011 18:30:21
Receipt Date:	20110726
Manifest ID:	007008620JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110628
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110628
Manifest ID:	007008616JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

THE BOEING CO (Continued) **S113174902**

TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110617
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110607
Manifest ID:	007008613JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110615
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110615
Manifest ID:	007008612JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

THE BOEING CO (Continued) **S113174902**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110615
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110615
Manifest ID:	007008612JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110419
Creation Date:	6/16/2011 18:30:10
Receipt Date:	20110419
Manifest ID:	007008597JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110330
Creation Date:	5/5/2011 18:30:26
Receipt Date:	20110401
Manifest ID:	007008583JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAR000071167
Shipment Date:	20030319
Creation Date:	6/22/2003 18:31:12
Receipt Date:	20030319
Manifest ID:	21166142
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030319

THE BOEING CO (Continued) **S113174902**

Creation Date:	6/22/2003 18:31:12
Receipt Date:	20030319
Manifest ID:	21166142
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAR000071167
Shipment Date:	20050304
Creation Date:	4/29/2005 11:28:07
Receipt Date:	20050304
Manifest ID:	21166552
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	NR
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.143
Waste Quantity:	286
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAR000071167
Shipment Date:	20060526

THE BOEING CO (Continued) **S113174902**

Creation Date:	12/20/2006 18:31:22
Receipt Date:	20060526
Manifest ID:	24997634
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000071167
Shipment Date:	20131211
Creation Date:	2/7/2014 22:15:07
Receipt Date:	20131211
Manifest ID:	007008932JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131030
Creation Date:	11/30/2013 22:15:05
Receipt Date:	20131030
Manifest ID:	007008918JJK
Trans EPA ID:	MAD039322250

THE BOEING CO (Continued) **S113174902**

Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130820
Creation Date:	10/30/2013 22:15:08
Receipt Date:	20130820
Manifest ID:	007008895JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130605
Creation Date:	8/15/2013 22:15:17
Receipt Date:	20130605
Manifest ID:	007008870JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

THE BOEING CO (Continued) **S113174902**

CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130521
Creation Date:	7/25/2013 22:15:10
Receipt Date:	20130521
Manifest ID:	007008865JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130507
Creation Date:	7/25/2013 22:15:10
Receipt Date:	20130507
Manifest ID:	007008862JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P

THE BOEING CO (Continued) **S113174902**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130327
Creation Date:	5/5/2013 22:15:17
Receipt Date:	20130327
Manifest ID:	007008843JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	THE BOEING COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAR000071167
Shipment Date:	20100716
Creation Date:	9/10/2010 18:30:18
Receipt Date:	20100716
Manifest ID:	007008504JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT (KH)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	6
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

THE BOEING CO (Continued) **S113174902**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100611
Creation Date:	8/30/2010 18:30:46
Receipt Date:	20100611
Manifest ID:	000318496JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100611
Creation Date:	8/30/2010 18:30:46
Receipt Date:	20100611
Manifest ID:	000318496JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100611
Creation Date:	8/30/2010 18:30:46
Receipt Date:	20100611
Manifest ID:	000318496JJK

THE BOEING CO (Continued) **S113174902**

Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100129
Creation Date:	4/12/2010 18:30:47
Receipt Date:	20100129
Manifest ID:	000318465JJK
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.272
Waste Quantity:	544
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000071167
Shipment Date:	20121120
Creation Date:	2/3/2013 22:15:07
Receipt Date:	20121120
Manifest ID:	007008776JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

THE BOEING CO (Continued) **S113174902**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120914
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20120914
Manifest ID:	007008745JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120822
Creation Date:	10/23/2012 22:15:09
Receipt Date:	20120822
Manifest ID:	007008741JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

THE BOEING CO (Continued) **S113174902**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120706
Creation Date:	9/26/2012 22:15:20
Receipt Date:	20120706
Manifest ID:	007008724JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	BOEING SATELLITE SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	THE BOEING CO
Address:	650-700 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA ID:	CAR000071167
Inactive Date:	Not reported
Create Date:	01/03/2001
Last Act Date:	08/07/2019
Mailing Name:	JERROD NEWLANDER
Mailing Address:	PO BOX 92919 W/S25/D581
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900090000
Owner Name:	THE BOEING COMPANY
Owner Address:	PO BOX 92919 W/S25/D581
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900090000
Contact Name:	JERROD NEWLANDER
Contact Address:	PO BOX 92919 W/S25/D581
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90009

THE BOEING CO (Continued) **S113174902**

NAICS:
EPA ID: CAR000071167
Create Date: 2002-03-14 16:36:30
NAICS Code: 33429
NAICS Description: Other Communications Equipment Manufacturing
Issued EPA ID Date: 2001-01-03 00:00:00
Inactive Date: Not reported
Facility Name: THE BOEING CO
Facility Address: 650-700 N SEPULVEDA BLVD
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 902450000

A4 Target Property **SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION**
650 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

CA HAZNET S112981031
CA HWTS N/A

Site 4 of 9 in cluster A

Actual: 118 ft.

HAZNET:
Name: SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION
Address: 650 N SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902453422
Contact: STAN MARSH
Telephone: 6263029711
Mailing Name: Not reported
Mailing Address: 2244 WALNUT GROVE AVE

Year: 2009
Gepaid: CAC002647412
TSD EPA ID: CAD050806850
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.7222

Additional Info:
Year: 2009
Gen EPA ID: CAC002647412

Shipment Date: 20091127
Creation Date: 2/3/2010 18:31:03
Receipt Date: 20091130
Manifest ID: 002686493FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: CLEAN HARBORS LOS ANGELES LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION (Continued) **S112981031**

CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.7822
Waste Quantity:	469
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091016
Creation Date:	2/3/2010 18:30:08
Receipt Date:	20091019
Manifest ID:	005731827JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.94
Waste Quantity:	1300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION
Address:	650 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902453422
EPA ID:	CAC002647412
Inactive Date:	04/14/2010
Create Date:	10/15/2009
Last Act Date:	05/06/2010
Mailing Name:	Not reported
Mailing Address:	2244 WALNUT GROVE AVE
Mailing Address 2:	GO1 QUAD 3A
Mailing City,State,Zip:	ROSEMEAD, CA 917703714
Owner Name:	SOUTHERN CALIFORNIA EDISON
Owner Address:	2244 WALNUT GROVE AVE
Owner Address 2:	GO1 QUAD 3A
Owner City,State,Zip:	ROSEMEAD, CA 917703714
Contact Name:	STAN MARSH
Contact Address:	2244 WALNUT GROVE AVE

SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION (Continued) **S112981031**

Contact Address 2: Not reported
City,State,Zip: ROSEMEAD, CA 917703714

A5 Target Property **HUGHES SPACE & COMMUNICATIONS**
650 - 700 N. SEPULVEDA AVE
EL SEGUNDO, CA 90245

CA HAZNET **S113068322**
CA HWTS **N/A**

Site 5 of 9 in cluster A

Actual: 118 ft.

HAZNET:

Name: HUGHES SPACE & COMMUNICATIONS
Address: 650 - 700 N. SEPULVEDA AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902450000
Contact: JERROD NEWLANDER/SHEA SPECIALI
Telephone: 3104169394
Mailing Name: Not reported
Mailing Address: PO BOX 92919

Year: 2000
Gepaid: CAL000121434
TSD EPA ID: CAD060897063
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: D99 - Disposal, Other
Tons: 0.2025

Year: 2000
Gepaid: CAL000121434
TSD EPA ID: CAD060897063
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: D99 - Disposal, Other
Tons: 0.1335

Year: 2000
Gepaid: CAL000121434
TSD EPA ID: CAD060897063
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: D99 - Disposal, Other
Tons: 0.612

Year: 2000
Gepaid: CAL000121434
TSD EPA ID: CAT000646117
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 23.5984

Year: 1999
Gepaid: CAL000121434
TSD EPA ID: CAD060897063
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: D99 - Disposal, Other
Tons: 0.562

Year: 1998
Gepaid: CAL000121434
TSD EPA ID: CAT000646117
CA Waste Code: 151 - Asbestos containing waste

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Disposal Method:	T01 - Treatment, Tank
Tons:	4.214
Year:	1998
Gepaid:	CAL000121434
TSD EPA ID:	CAT000646117
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	1998
Gepaid:	CAL000121434
TSD EPA ID:	CAD060897063
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	D99 - Disposal, Other
Tons:	0.03
Year:	1998
Gepaid:	CAL000121434
TSD EPA ID:	CAD060897063
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	D99 - Disposal, Other
Tons:	0.025
Year:	1998
Gepaid:	CAL000121434
TSD EPA ID:	CAD060897063
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	D99 - Disposal, Other
Tons:	0.5975

Click this hyperlink while viewing on your computer to access
15 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1994
Gen EPA ID:	CAL000121434
Shipment Date:	19941122
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941122
Manifest ID:	93586554
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F002
Disposal Method:	- Not reported
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941122
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941122
Manifest ID:	93586554
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941122
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941122
Manifest ID:	93586554
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941010
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941010

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Manifest ID:	93586456
Trans EPA ID:	CAD003986718
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	4.7485
Waste Quantity:	4309
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940830
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940830
Manifest ID:	93142375
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940719
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940719
Manifest ID:	93142331
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940517
Creation Date:	10/10/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93142295
Trans EPA ID:	CAD003986718
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	261 - Not reported
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	6.2814
Waste Quantity:	5700
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000121434
Shipment Date:	19981028
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981028
Manifest ID:	97430672
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.137
Waste Quantity:	274

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981021
Creation Date:	12/8/1998 0:00:00
Receipt Date:	19981021
Manifest ID:	97430664
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981021
Creation Date:	12/8/1998 0:00:00
Receipt Date:	19981021
Manifest ID:	97430664
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980812
Creation Date:	10/1/1998 0:00:00

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Receipt Date:	19980812
Manifest ID:	97430619
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980428
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980428
Manifest ID:	97430542
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980309
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980309
Manifest ID:	97430500
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980211
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980211
Manifest ID:	97430470
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980127
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980127
Manifest ID:	97430448
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1995
Gen EPA ID: CAL000121434

Shipment Date: 19951129
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19951129
Manifest ID: 95233257
Trans EPA ID: CAD000057760
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD060897063
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Disposal Method: D99 - Disposal, Other
Quantity Tons: 0.2293
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950906
Creation Date: 7/26/1996 0:00:00
Receipt Date: 19950911
Manifest ID: 95233221
Trans EPA ID: CAD003963592
Trans Name: Not reported
Trans 2 EPA ID: CAD980675896
Trans 2 Name: Not reported
TSDF EPA ID: CAD003963592
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Disposal Method: R01 - Recycler
Quantity Tons: 0.1251
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950822

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950822
Manifest ID:	95233211
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950510
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950510
Manifest ID:	95316360
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950317
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950320
Manifest ID:	93586707
Trans EPA ID:	DED980918858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

TSDF Alt EPA ID: CAT000646117
TSDF Alt Name: Not reported
CA Waste Code: 151 - Asbestos-containing waste
RCRA Code: Not reported
Disposal Method: T01 - Treatment, Tank
Quantity Tons: 8.428
Waste Quantity: 10
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950110
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19950110
Manifest ID: 93586622
Trans EPA ID: CAD000057760
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD060897063
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Disposal Method: D99 - Disposal, Other
Quantity Tons: 0.2502
Waste Quantity: 60
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1996
Gen EPA ID: CAL000121434

Shipment Date: 19961001
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961001
Manifest ID: 95233536
Trans EPA ID: CAD000057760
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD060897063
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Disposal Method: D99 - Disposal, Other

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960619
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960619
Manifest ID:	95233391
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960319
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960319
Manifest ID:	95233342
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Additional Info:

Year:	2000
Gen EPA ID:	CAL000121434
Shipment Date:	20000418
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000418
Manifest ID:	99595300
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000324
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000324
Manifest ID:	99595286
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1335
Waste Quantity:	267
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000301
Creation Date:	5/17/2000 0:00:00
Receipt Date:	20000301
Manifest ID:	99595273
Trans EPA ID:	CAD982030173

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2025
Waste Quantity:	405
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000209
Creation Date:	4/4/2000 0:00:00
Receipt Date:	20000209
Manifest ID:	99595263
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.612
Waste Quantity:	1224
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000204
Creation Date:	4/28/2000 0:00:00
Receipt Date:	20000204
Manifest ID:	99595259
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
CA Waste Code:	151 - Asbestos-containing waste
RCRA Code:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Disposal Method:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000121434
Shipment Date:	19991201
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991201
Manifest ID:	99595227
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990831
Creation Date:	11/16/1999 0:00:00
Receipt Date:	19990831
Manifest ID:	97328464
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1015
Waste Quantity:	203
Quantity Unit:	P
Additional Code 1:	Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990507
Creation Date:	7/30/1999 0:00:00
Receipt Date:	19990507
Manifest ID:	97430763
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990127
Creation Date:	4/1/1999 0:00:00
Receipt Date:	19990127
Manifest ID:	97430710
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1535
Waste Quantity:	307
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL000121434

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Shipment Date:	19971119
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971119
Manifest ID:	96313914
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971022
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971022
Manifest ID:	96313869
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.65
Waste Quantity:	1300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970813
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19970813
Manifest ID:	96313781
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897065

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970604
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19970604
Manifest ID:	96313702
Trans EPA ID:	CAL000114010
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	HAHQ36005565
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970311
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970311
Manifest ID:	96313650
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	HAHQ36005565
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970121
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970121
Manifest ID:	96313623
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD060897063
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1251
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	650 - 700 N. SEPULVEDA AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA ID:	CAL000121434
Inactive Date:	06/30/2001
Create Date:	11/09/1993
Last Act Date:	11/01/2001
Mailing Name:	BLDG S-41/A320
Mailing Address:	PO BOX 92919
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900092919
Owner Name:	HUGHES SPACE & COMM CO
Owner Address:	PO BOX 92919
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900092919
Contact Name:	JERROD NEWLANDER/SHEA SPECIALI
Contact Address:	PO BOX 92919 S41/A320
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900092919

NAICS:

EPA ID:	CAL000121434
Create Date:	2002-03-14 16:36:28
NAICS Code:	33429
NAICS Description:	Other Communications Equipment Manufacturing

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Issued EPA ID Date:	1993-11-09 00:00:00
Inactive Date:	2001-06-30 00:00:00
Facility Name:	HUGHES SPACE & COMMUNICATIONS
Facility Address:	650 - 700 N. SEPULVEDA AVE
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	902450000

A6 Target Property **THE BOEING COMPANY - S37** **S123500542**
650 N. PACIFIC COAST HIGHWAY S37 **CA CERS TANKS** **N/A**
EL SEGUNDO, CA 90245 **CA CERS**

Site 6 of 9 in cluster A

Actual: 118 ft.

CERS HAZ WASTE:

Name:	THE BOEING COMPANY - S37
Address:	650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12979
CERS ID:	10159309
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	THE BOEING COMPANY - S37
Address:	650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12979
CERS ID:	10159309
CERS Description:	Aboveground Petroleum Storage

CERS:

Name:	THE BOEING COMPANY - S37
Address:	650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12979
CERS ID:	10159309
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	12979
Site Name:	The Boeing Company - S37
Violation Date:	05-14-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/21/2018. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete and electronically submit a site map with all required content. Facility shall update site map to include: loading area, storm and sewer drains, access and

THE BOEING COMPANY - S37 (Continued) **S123500542**

	exit points, emergency shut offs, evacuation staging area, hazardous materials (CT-531) and emergency response equipment.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	12979
Site Name:	The Boeing Company - S37
Violation Date:	05-14-2018
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to include in the SPCC Plan a prediction of direction and total quantity of oil potentially discharged from the facility as a result of each type of major equipment failure.
Violation Notes:	Returned to compliance on 06/21/2018. Failure to include in the SPCC Plan a prediction of direction and total quantity of oil potentially discharged from the facility as a result of each type of major equipment failure. The site maps do not show the direction of flow, mostly due to the scale of the maps.The maps shall show more detail on the location of materials and the directions of drainage in the event of a release.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-14-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility has met the requirements for the Business Plan and the CERS information is current.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-21-2017
Violations Found:	No

THE BOEING COMPANY - S37 (Continued) **S123500542**

Eval Type:	Routine done by local agency
Eval Notes:	This report is part of the inspection information that was conducted on February 22, 2017. This information reflects the information found in the LQG HWG report.
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility is a hazardous waste generator for construction activities only and UW. No hazardous waste was being stored at the facility at the time of the inspection. The waste is usually managed within the week that it is generated. The waste is handled by contractors and not facility personnel.
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-14-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Routine inspection did not identify any violations at time of inspection.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	CRAIG DAVIS
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA

THE BOEING COMPANY - S37 (Continued) **S123500542**

Affiliation Country:	United States
Affiliation Zip:	90009-2919
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Document Preparer
Entity Name:	Anu Garg
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Anu Garg
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Parent Corporation
Entity Name:	Boeing Satellite System Inc.
Entity Title:	Not reported

THE BOEING COMPANY - S37 (Continued) **S123500542**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A7 **EL SEGUNDO** **ICIS** **1010037975**
Target **650 SEPULVEDA BOULEVARD** **FINDS** **N/A**
Property **EL SEGUNDO, CA 90245** **ECHO**

Site 7 of 9 in cluster A

Actual:
118 ft.

ICIS:

Enforcement Action ID:	HQ-2005-8000
FRS ID:	110028067080
Action Name:	Cellco Partnership dba Verizon Wirelss
Facility Name:	EL SEGUNDO
Facility Address:	650 SEPULVEDA BOULEVARD EL SEGUNDO, CA 90245
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.925052
Longitude in Decimal Degrees:	-118.39621
Permit Type Desc:	Not reported
Program System Acronym:	7377620
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:

Registry ID:	110028067080
Facility URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110028067080

Environmental Interest/Information System:

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

EL SEGUNDO (Continued) **1010037975**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1010037975
- Registry ID: 110028067080
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110028067080
- Name: EL SEGUNDO
- Address: 650 SEPULVEDA BOULEVARD
- City,State,Zip: EL SEGUNDO, CA 90245

A8 **THE BOEING COMPANY** **FINDS** **1015781170**
Target Property **650-700 N SEPULVEDA BLVD** **ECHO** **N/A**
EL SEGUNDO, CA 90245

Site 8 of 9 in cluster A

Actual: 118 ft.

FINDS:
- Registry ID: 110054820841
- Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110054820841

Environmental Interest/Information System:
COMPLIANCE AND EMISSIONS REPORTING
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1015781170
- Registry ID: 110054820841
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110054820841
- Name: THE BOEING COMPANY
- Address: 650-700 N SEPULVEDA BLVD
- City,State,Zip: EL SEGUNDO, CA 90245

B9 **BOEING SATELLITE SYSTEMS - S38** **CA AST** **A100417761**
Target **700 N. SEPULVEDA BLVD.** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 1 of 4 in cluster B

Actual: AST:
121 ft.

Name:	BOEING SATELLITE SYSTEMS - S38
Address:	700 N. SEPULVEDA BLVD.
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	The Boeing Company
Total Gallons:	Not reported
CERSID:	10159311
Facility ID:	Not reported
Business Name:	Boeing Satellite System Inc.
Phone:	310-662-8619
Fax:	Not reported
Mailing Address:	POBox 92919 W/S01/D381
Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	The Boeing Company
Operator Phone:	310-662-8619
Owner Phone:	310-662-8619
Owner Mail Address:	POBox 92919 W/S01/D381
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD060897063

B10 **DEVLIN PHARMACEUTICALS, INC** **CA ENVIROSTOR** **S102860858**
Target **700 NORTH SEPULVEDA BLVD** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 2 of 4 in cluster B

Actual: ENVIROSTOR:
121 ft.

Name:	DEVLIN PHARMACEUTICALS, INC
Address:	700 NORTH SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19280313
Status:	No Further Action
Status Date:	12/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	5
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Patrick Hsieh

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: * Site Char & Assess Grant (CERCLA 104)
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92556
Longitude: -118.3951
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: TPH-gas
Confirmed COC: 30025-NO
Potential Description: SOIL
Alias Name: BERGEN-BRUNSWIG
Alias Type: Alternate Name
Alias Name: HUGHES AIRCRAFT COMPANY
Alias Type: Alternate Name
Alias Name: RABIN WINTERS CORPORATION
Alias Type: Alternate Name
Alias Name: RABIN'S PHARMACEUTICAL COMPANY
Alias Type: Alternate Name
Alias Name: CAD981373848
Alias Type: EPA Identification Number
Alias Name: 19280313
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: SOURCE ACT: CONTACT W/ LICHTEN,HUGHES, & RABIN,OWNER - (DEVLIN)MFG OF PHARMACEUTL & VITAMINS, (RABIN'S)MFG OF PHARMACEUTIC & PROD OF ROSIN LIGHTER FLUID, (BERGEN) MFG OF PHARMACEUTICALS, (HUGHES) STORAGE OF OFFICE EQUIP. IN 1982 8 U/G TANKS USED BY RABINS WERE REMOVED BY RABIN W/O REGULATORY. SUBMIT TO EPA ENFORCEMENT(OTHER) CO ENGR. CLOSED CLARIFIER ON 10/29/85 PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 12/08/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/03/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIR RECIEVED IDENTIFIED DISCH METHOD & WASTE TYPE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/22/2018
Comments: Not reported

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

B11 **BOEING SATELLITE SYSTEMS - S38** **FINDS** **1023218781**
Target **700 N. SEPULVEDA BLVD.** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 3 of 4 in cluster B

Actual: **121 ft.**

FINDS:

Registry ID:	110065048353
Facility URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110065048353

Environmental Interest/Information System:
COMPLIANCE AND EMISSIONS REPORTING
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B12 **DEVLIN PHARMACEUTICALS INC** **SEMS-ARCHIVE** **1003878845**
Target **700 N SEPULVEDA BLVD** **CAD981373848**
Property **EL SEGUNDO, CA 90245**

Site 4 of 4 in cluster B

Actual: **121 ft.**

SEMS Archive:

Site ID:	0902293
EPA ID:	CAD981373848
Name:	DEVLIN PHARMACEUTICALS INC
Address:	700 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1

DEVLIN PHARMACEUTICALS INC (Continued) **1003878845**

Start Date:	Not reported
Finish Date:	1989-02-22 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-02-22 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-02-01 05:00:00
Finish Date:	1986-02-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf
Region:	09
Site ID:	0902293
EPA ID:	CAD981373848
Site Name:	DEVLIN PHARMACEUTICALS INC
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-01-01 05:00:00
Finish Date:	1986-05-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

A13 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102056730**
West **690 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.002 mi.
8 ft. **Site 9 of 9 in cluster A**

Relative:
Higher

Actual:
122 ft.

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO SCG
Address:	690 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10342
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	HUGHES AIRCRAFT CO SCG
Address:	690 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	Not reported
Facility Id:	010427-010342
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2N
Permit Number:	Not reported
Permit Status:	Not reported

C14 **LAX PHOTO LAB** **RCRA NonGen / NLR** **1000686182**
SW **630 N SEPULVEDA UNIT 6 B** **FINDS** **CAD983634171**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.019 mi.
98 ft. **Site 1 of 16 in cluster C**

Relative:
Higher

Actual:
123 ft.

RCRA NonGen / NLR:

Date form received by agency:	1992-04-24 00:00:00.0
Facility name:	LAX PHOTO LAB
Facility address:	630 N SEPULVEDA UNIT 6 B EL SEGUNDO, CA 90245
EPA ID:	CAD983634171
Contact:	ANTHONY SOHN
Contact address:	630 N SEPULVEDA UNIT 6 B EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-322-7776
Contact email:	Not reported
EPA Region:	09

LAX PHOTO LAB (Continued) **1000686182**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JEONG HEE SOHN
Owner/operator address: 630 N PACIFIC COAST HWY BLVD UNIT 6B
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-322-7776
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ANTHONY SOHN
Owner/operator address: 630 N SEPULVEDA BLVD UNIT 6B
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-322-7776
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ANTHONY SOHN
Owner/operator address: 630 SEPULVEDA UNIT 6 B
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-322-7776
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

LAX PHOTO LAB (Continued) **1000686182**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-04-24 00:00:00.0
Site name: LAX PHOTO LAB
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:
Registry ID: 110002874890
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002874890

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000686182
Registry ID: 110002874890
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002874890
Name: LAX PHOTO LAB
Address: 630 N SEPULVEDA UNIT 6 B
City,State,Zip: EL SEGUNDO, CA 90245

C15 **TRI-CLEANERS** **CA DRYCLEANERS** **S121699512**
SW **630 N SEPULVEDA BLVD #11A** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 2 of 16 in cluster C**

Relative:
Higher

Actual:
123 ft.

DRYCLEAN SOUTH COAST:
Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 224579
Permit Number: D23801
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04

TRI-CLEANERS (Continued) **S121699512**

CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 290766
Permit Number: Not reported
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: Not reported
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 360418
Permit Number: Not reported
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: Not reported
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 370889
Permit Number: F32863
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A

TRI-CLEANERS (Continued) **S121699512**

City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	77779
Application Number:	370890
Permit Number:	F32864
Status:	S
Representative Name:	ELIAS NABHAN
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	370.93499756
UTM North:	3754.4299316

C16 **TRI-CLEANERS** **EDR Hist Cleaner** **1009126209**
SW **630 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 3 of 16 in cluster C**

Relative: EDR Hist Cleaner
Higher

Actual:
123 ft.

Year:	Name:	Type:
1995	TRI-CLEANERS	Drycleaning Plants, Except Rugs
1996	TRI-CLEANERS	Drycleaning Plants, Except Rugs
1998	TRI CLEANERS	Not reported
2000	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2003	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2004	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2005	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2006	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2007	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2008	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2009	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2010	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2011	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2012	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2013	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2014	TRI-CLEANERS	Drycleaning Plants, Except Rugs

C17 **TRI - CLEANERS** **CA DRYCLEANERS** **S121694869**
SW **630 N SEPULVEDA BLVD #11A** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 4 of 16 in cluster C**

Relative: DRYCLEAN SOUTH COAST:
Higher

Actual:
123 ft.

Name:	TRI - CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	129286
Application Number:	389782
Permit Number:	F44188
Status:	A
Representative Name:	HASSAN JOOFAR

TRI - CLEANERS (Continued) **S121694869**

Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI - CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 129286
Application Number: 389783
Permit Number: F44189
Status: A
Representative Name: HASSAN JOOFAR
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI - CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 129286
Application Number: 542645
Permit Number: G20844
Status: A
Representative Name: HASSAN JOOFAR
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number: Not reported
CCAT Description: Not reported
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI - CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 129286
Application Number: 542950
Permit Number: G20820
Status: A
Representative Name: HASSAN JOOFAR
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number: Not reported
CCAT Description: Not reported

TRI - CLEANERS (Continued) **S121694869**

UTM East: 370.93499756
UTM North: 3754.4299316

C18 **TRI CLEANERS** **RCRA-SQG** **1000686238**
SW **630 N SEPULVEDA** **FINDS** **CAD983634742**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.019 mi. **CA DRYCLEANERS**
98 ft. **Site 5 of 16 in cluster C**

Relative: Higher

Actual: 123 ft.

RCRA-SQG:
Date form received by agency: 1992-05-04 00:00:00.0
Facility name: TRI CLEANERS
Facility address: 630 N SEPULVEDA
EL SEGUNDO, CA 90245
EPA ID: CAD983634742
Contact: MASHAN MICHAEL
Contact address: 630 N SEPULVEDA
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-322-2064
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MICHAEL WASHAN
Owner/operator address: 630 N SEPULVEDA
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-322-2064
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

TRI CLEANERS (Continued) **1000686238**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:
Registry ID: 110002875327
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002875327

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000686238
Registry ID: 110002875327
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002875327
Name: TRI CLEANERS
Address: 630 N SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245

DRYCLEANERS:
Name: TRI CLEANERS INC
Address: 630 N SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAD983634742
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 05/04/1992
Facility Active: No
Inactive Date: 06/30/2018
Facility Addr2: Not reported
Owner Name: HASSAN JAAFAR
Owner Address: 630 N SEPULVEDA BLVD
Owner Address 2: Not reported
Owner Telephone: 3105590697
Contact Name: HASSAN JAAFAR/OWNER
Contact Address: 630 N SEPULVEDA BLVD
Contact Address 2: Not reported
Contact Telephone: 3105590697
Mailing Name: Not reported
Mailing Address 1: 630 N SEPULVEDA BLVD
Mailing Address 2: Not reported
Mailing City: EL SEGUNDO

TRI CLEANERS (Continued) **1000686238**

Mailing State:	CA
Mailing Zip:	902453435
Owner Fax:	0000000000
Region Code:	1

C19 **UNOCAL #5866** **CA LUST** **S102440077**
SW **603 SEPULVEDA BLVD N** **CA HIST CORTESE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.025 mi.
130 ft. **Site 6 of 16 in cluster C**

Relative: **Higher**
Actual: **128 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09969	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703539	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	MARIPOSA	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/4/1990
Date Leak Record Entered:	1/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		7/12/1996
Date the Case was Closed:		7/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MASDI, JOLIL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9366.077673363444925489930952
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/4/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	

UNOCAL #5866 (Continued) **S102440077**

Owner Contact:	Not reported
Responsible Party:	UNOCAL CORP
RP Address:	376 S VALENCIA AVE, BREA CA 92621
Program:	LUST
Lat/Long:	33.9235634 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	ROUTINE TANK REPLACEMENT. APP. 100 CU YARDS OF CONTAMINATED SOIL EXCAVATED TO BE TREATED OR HAULED. TANKS IN SOLID CONDITION.

LUST:

Name:	UNOCAL #5866
Address:	603 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703539
Global Id:	T0603703539
Latitude:	33.923772
Longitude:	-118.3963763
Status:	Completed - Case Closed
Status Date:	07/12/1996
Case Worker:	YR
RB Case Number:	I-09969
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603703539
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603703539
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603703539
Action Type:	Other

UNOCAL #5866 (Continued) **S102440077**

Date: 11/27/1990
Action: Leak Discovery

Global Id: T0603703539
Action Type: Other
Date: 11/27/1990
Action: Leak Stopped

Global Id: T0603703539
Action Type: Other
Date: 12/04/1990
Action: Leak Reported

LUST:
Global Id: T0603703539
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0603703539
Status: Open - Site Assessment
Status Date: 12/04/1990

Global Id: T0603703539
Status: Completed - Case Closed
Status Date: 07/12/1996

HIST CORTESE:
edr_fname: UNOCAL #5866
edr_fadd1: 603 SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09969

CERS:
Name: UNOCAL #5866
Address: 603 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 207308
CERS ID: T0603703539
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker

UNOCAL #5866 (Continued) **S102440077**

Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C20 **LEONARDS INTERNATIONAL DISTRS*** **EDR Hist Auto** **1020139957**
SSW **600 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.033 mi.
174 ft. **Site 7 of 16 in cluster C**

Relative: EDR Hist Auto
Higher

Actual:
125 ft.

Year:	Name:	Type:
1978	LEONARDS INTERNATIONAL DISTRS*	Gasoline Service Stations
1980	LEONARDS INTERNATIONAL DISTRS*	Gasoline Service Stations
1982	LEONARDS INTERNATIONAL DISTRS*	Gasoline Service Stations
1983	LEONARDS INTERNATIONAL DISTRS*	Gasoline Service Stations

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C21 **SEGUNDO ASSOCIATES** **CA UST** **U004261165**
SSW **600 N. SEPULVEDA BLVD.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.033 mi.
174 ft. **Site 8 of 16 in cluster C**

Relative: EL SEGUNDO UST:
Higher

Actual:
125 ft.

Name:	SEGUNDO ASSOCIATES
Address:	600 N. SEPULVEDA BLVD.
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

D22 **MOTTA SHELL SERVICE** **CA HIST UST** **U001563017**
NNW **765 SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.033 mi.
176 ft. **Site 1 of 15 in cluster D**

Relative:
Higher

Actual:
125 ft.

HIST UST:

Name:	MOTTA SHELL SERVICE
Address:	765 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	000280CB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000280CB.pdf
Region:	STATE
Facility ID:	00000016924
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	A. MOTTA
Telephone:	2136150191
Owner Name:	MOTTA BROTHERS INC
Owner Address:	765 SEPULVEDA
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0007
Tank Num:	001
Container Num:	1
Year Installed:	1954
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1959
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10
Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

MOTTA SHELL SERVICE (Continued) **U001563017**

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/6
Leak Detection:	Stock Inventor, 10

Tank Num:	007
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00000250
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Click here for Geo Tracker PDF:

E23 **HUGHES AIRCRAFT-EDSG** **CA LUST** **S103281817**
NE **1920 MAPLE ST E** **CA HIST CORTESE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.038 mi.
199 ft. **Site 1 of 12 in cluster E**

Relative: **Lower**
Actual: **111 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-10916	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704975	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/3/1986	
Date Leak First Reported:		11/3/1986
Date Leak Record Entered:	8/11/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/18/1996

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

Date the Case was Closed:		9/18/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Tank	
Operator:	MR. LICKETEN	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9462.967204194050022521530264
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT	
RP Address:	Not reported	
Program:	LUST	
Lat/Long:	33.9268324 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

LUST:

Name:	HUGHES AIRCRAFT-EDSG
Address:	1920 MAPLE ST E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704975
Global Id:	T0603704975
Latitude:	33.926076
Longitude:	-118.394113
Status:	Completed - Case Closed
Status Date:	09/18/1996
Case Worker:	SHT
RB Case Number:	R-10916
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

LUST:
Global Id: T0603704975
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704975
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Discovery

Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Reported

LUST:
Global Id: T0603704975
Status: Open - Case Begin Date
Status Date: 11/03/1986

Global Id: T0603704975
Status: Completed - Case Closed
Status Date: 09/18/1996

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT-EDSG
edr_fadd1: 1920 MAPLE
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10916

CERS:
Name: HUGHES AIRCRAFT-EDSG
Address: 1920 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 198522
CERS ID: T0603704975

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D24 **MOTTA BROTHERS INC** **EDR Hist Auto** **1022148558**
NNW **763 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.038 mi.
201 ft. **Site 2 of 15 in cluster D**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
126 ft. 1988 MOTTA BROTHERS INC Gasoline Service Stations

D25 **MOTTA BROTHERS** **CA UST** **U004261145**
NNW **763 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.038 mi.
201 ft. **Site 3 of 15 in cluster D**

Relative: EL SEGUNDO UST:
Higher
Name: MOTTA BROTHERS
Actual: Address: 763 N. SEPULVEDA BL.
126 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Remediation Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

D26 NNW < 1/8 0.040 mi. 212 ft. | **CIRCLE K STORE #2709416**
765 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245
Site 4 of 15 in cluster D

CA CERS HAZ WASTE
CA CERS TANKS
CA HAZNET
CA CERS
CA HWTS

S113800508
N/A

Relative: Higher

Actual: 126 ft.

CERS HAZ WASTE:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 19219
CERS ID: 10206673
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 19219
CERS ID: 10206673
CERS Description: Underground Storage Tank

HAZNET:
Name: CIRCLE K STORE #2709416
Address: 765 N SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902453425
Contact: KRISTI HODGE
Telephone: 9512705153
Mailing Name: Not reported
Mailing Address: 255 E RINCON ST STE 100

Year: 2017
Gepaid: CAL000369642
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.084

Year: 2017
Gepaid: CAL000369642
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.0675

Year: 2016
Gepaid: CAL000369642
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0504

Year: 2016
Gepaid: CAL000369642

CIRCLE K STORE #2709416 (Continued) **S113800508**

TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.114
Year:	2016
Gepaid:	CAL000369642
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.045
Year:	2015
Gepaid:	CAL000369642
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.8316
Year:	2015
Gepaid:	CAL000369642
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0275
Year:	2014
Gepaid:	CAL000369642
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.04
Year:	2014
Gepaid:	CAL000369642
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.063
Year:	2013
Gepaid:	CAL000369642
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET: record(s) in the EDR Site Report.

CIRCLE K STORE #2709416 (Continued) **S113800508**

Additional Info:

Year:	2016
Gen EPA ID:	CAL000369642
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151029
Manifest ID:	008718451FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151104
Manifest ID:	008718600FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150911
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150916

CIRCLE K STORE #2709416 (Continued) **S113800508**

Manifest ID:	008700338FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150625
Manifest ID:	007648076FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.819
Waste Quantity:	195
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000369642
Shipment Date:	20170721
Creation Date:	7/28/2018 18:34:05
Receipt Date:	20170726
Manifest ID:	010626976FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE

CIRCLE K STORE #2709416 (Continued) **S113800508**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	5/31/2018 18:30:42
Receipt Date:	20170727
Manifest ID:	010626977FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170208
Creation Date:	5/9/2018 18:31:57
Receipt Date:	20170215
Manifest ID:	009684624FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids

CIRCLE K STORE #2709416 (Continued) **S113800508**

RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000369642
Shipment Date:	20151028
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151029
Manifest ID:	008718451FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151028
Creation Date:	5/23/2016 18:30:23
Receipt Date:	20151104
Manifest ID:	008718600FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

CIRCLE K STORE #2709416 (Continued) **S113800508**

Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150911
Creation Date:	2/9/2016 22:15:26
Receipt Date:	20150916
Manifest ID:	008700338FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150619
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150625
Manifest ID:	007648076FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAT080016116
Trans 2 Name:	NIETO AND SONS TRUCKING INC
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.819
Waste Quantity:	195
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CIRCLE K STORE #2709416 (Continued) **S113800508**

Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000369642
Shipment Date:	20140618
Creation Date:	8/26/2014 22:15:12
Receipt Date:	20140626
Manifest ID:	007615052FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140618
Creation Date:	3/27/2015 22:15:17
Receipt Date:	20140625
Manifest ID:	007615051FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CIRCLE K STORE #2709416 (Continued) **S113800508**

Additional Info:

Year:	2012
Gen EPA ID:	CAL000369642
Shipment Date:	20120720
Creation Date:	5/31/2013 22:15:16
Receipt Date:	20120801
Manifest ID:	004666700FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120720
Creation Date:	9/27/2012 22:15:12
Receipt Date:	20120725
Manifest ID:	004666701FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120720
Creation Date:	5/31/2013 22:15:16
Receipt Date:	20120801

CIRCLE K STORE #2709416 (Continued) **S113800508**

Manifest ID:	004666700FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000369642
Shipment Date:	20130319
Creation Date:	5/11/2013 22:15:06
Receipt Date:	20130322
Manifest ID:	005785779FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130319
Creation Date:	8/13/2013 22:15:07
Receipt Date:	20130327
Manifest ID:	005785778FLE
Trans EPA ID:	CAR000183913
Trans Name:	BELSHIRE
Trans 2 EPA ID:	Not reported

CIRCLE K STORE #2709416 (Continued) **S113800508**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA OPERATIONS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	CIRCLE K STORES INC. SITE #2709416
Address:	765 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	19219
CERS ID:	10206673
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	06-03-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-07-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/08/2016. Financial responsibility documents have not been submitted to CERS. Current financial responsibility documents are required to be submitted annually. Complete and submit a copy of the financial responsibility by 1/7/17 to the CERS database.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

CIRCLE K STORE #2709416 (Continued) **S113800508**

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	02-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/05/2019. The business failed to complete and electronically submit a site map. The following content is not correctly identified on current site map: loading area storm and sewer drains, emergency shut offs (Main Water, Natural Gas, and Electrical), hazardous materials/waste storage areas (CO2 and hazardous waste drums) and emergency response equipment. Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-11-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. The insurance coverage currently uploaded in CERS expired on 12/1/19. Submit, in CERS, a copy of the current insurance certificate by 1/8/2020.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description:	Failure to submit the G Underground Storage Tank Statement of Understanding and Compliance Form.G
Violation Notes:	Returned to compliance on 12/19/2018. Owner/operator failed to submit the G Underground Storage Tank Statement of Understanding and Compliance FormG . Submit the G Underground Storage Tank Statement of Understanding and Compliance FormG .
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	08-19-2014
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a

CIRCLE K STORE #2709416 (Continued) **S113800508**

	release/leak/spill was observed.
Violation Notes:	Returned to compliance on 06/03/2015. Fill Buckets did not pass incon test for regular and special gasoline.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 12/19/2018. Owner/Operator did not submit and/or maintain a complete and/or accurate UST Operating Permit Application. On California Environmental Reporting System (CERS), the UST Tank Information/Monioring Plan for Tank #2 needs to be updated, the piping in Tank #2 is currently listed as pressurized but it should be listed as "suction". Submit and/or maintain a complete and/or accurate UST Operating Permit Application, including for permit renewal. Facility shall update the UST Tank Information for Tank #2 on CERS and change piping type from pressurized to suction.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-07-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 12/07/2016. During the inspection liquid was discovered in all spill buckets. Remove liquid from the spill buckets.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 12/19/2018. Owner/Operator did not submit the G Designated Underground Storage Tank Operator Identification FormG to the UPA within 30 days of obtaining or changing the DO. The current form lists Kristi Hodge as the UST Owner contact but Kristi Hodge has not been with the company for more than 30 days. Submit G Designated Underground Storage Tank Operator Identification FormG to

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	the UPA within 30 days of a change. Update "Designated Underground Storage Tank Operator Identification Form" on CERS to include current contact for UST Owner.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-11-2019
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Title 23, 2716 (e) - requires the UST owner/operator provide a description of each corrective action taken or to be taken on a copy of the G Designated Underground Storage Tank Operator Visual Inspection ReportG . The UST Owner/Operator failed to fill out Section V, describing the corrective action to be taken, of the G Designated Underground Storage Tank Operator Visual Inspection ReportG . Instead, the Designated Operator (DO) has been filling out Section V. The ESFD observed initials from the DO in Section V and store management interview confirmed that DO completes Section V. Moving forward, the UST Owner/Operator shall complete Section V of the G Designated Underground Storage Tank Operator Visual Inspection ReportG . Provide a copy of the next Monthly DO Inspection Report to the CUPA by 1/10/2020.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-04-2017
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 02/26/2018. Obtain and maintain a valid Operating Permit from the CUPA and/or pay all past due permit fees.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	02-22-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of

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	flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,- 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October- 1,- 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 03/12/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Overfill Prevention equipment consists of audible and visual alarm with flow restriction (ball floats). During routine overfill prevention equipment testing, the flow restrictors failed the test per ICC Certified Technicians Test Report (test date 2/7/19). Facility shall repair overfill prevention system to meet overfill prevention equipment requirements by replacing flow restrictors with regulatory compliant overfill prevention equipment.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 01/30/2019. Owner/Operator did not operate UST system to prevent spills and/or overfills. Facility has two types of overfill prevention systems: flow restrictors (ball floats) and audible & visual/automatic tank gauge (ATG). All ATGs passed overfill prevention inspection but ball floats were not inspected. ATG for 91 Octane UST was set to alarm above 90% of tank capacity at beginning of inspection but was corrected to alarm at or below 90% of tank capacity during inspection. Facility needs to have ball floats inspected. Facility shall have overfill prevention inspection completed on ball floats. ESFD shall witness overfill prevention inspection on ball floats. Submit verification to ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	07-31-2017
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)

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Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. 87 master turbine sump failed functionality testing. This facility has 30 days to repair and retest.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	02-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 06/05/2019. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Facility is missing Regional Water Quality Control Board (RWQCB) phone number in Emergency Response Plan. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Add RWQCB phone number in Emergency Response Plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	01-22-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-11-2019
Citation:	23 CCR 16 2712(b)(6) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(6)
Violation Description:	Failure to maintain records of repairs and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes:	Returned to compliance on 12/17/2019. Records of repairs and upgrades for the UST system were not found onsite. These records shall be kept onsite for the life of the tank. The facility could not provide records of Overfill Prevention Equipment Repairs and Re-test completed on 6/11/19. The facility could not provide records of repairs made to spill bucket chains noted during DO Monthly Inspection in August and September 2019. Immediately locate and maintain these records onsite and submit copies to the CUPA by 1/10/2020.

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Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	10-16-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 02/26/2018. CUPA permit is expired. This facility has 30 days to obtain a valid CUPA permit.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	06-03-2015
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 07/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/19/2018. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents (insurance) expired on 12/1/18. Complete and submit a copy of the financial responsibility by 2/3/19.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	08-19-2014
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes:	Returned to compliance on 06/03/2015. Turbine sumps for 87 and 89

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failed along with 87 fill sump.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-22-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: THIS IS THIS FACILITY'S SECOND NOTICE OF VIOLATION. DURING INITIAL SB 989 INSPECTION ON 7/31/17, 87 MASTER TURBINE SUMP FAILED FUNCTIONALITY TESTING. THIS FACILITY HAS 30 DAYS TO REPAIR FAILING COMPONENTS AND RE-TEST.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witness test for replacement sump sensor in Diesel STP sump. Sensor tested ok.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility needs to provide annual training to the employees.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility needs to provide annual training to employees
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-11-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The ESFD was onsite and witnessed the final testing of newly installed flapper valves/overfill prevention equipment on all USTs. All flapper valves passed test.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

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Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CUPA permit is expired. This facility has 30 days to obtain a valid CUPA permit.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFICATION PERFORMED BY RICK FROM IDECO INC - ALL CERTS CURRENT REPORT SIGNED BY DENISE PALENCIA ALL COMPONENTS OF THIS UST SYSTEM PASSED FUNCTIONALITY TESTING. THIS FACILITY HAS 30 DAYS TO COMPLY WITH THE FOLLOWING: 1. OBTAIN A VALID CUPA PERMIT TO OPERATE
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-22-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SB 989 Test conducted and noted Special and Regular tank sumps failed. In addition, spill buckets for same tanks failed incon test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ESFD witnessed Annual Monitoring Certification, Spill Bucket Test, and Overfill Prevention Inspection. Facility passed Annual Monitoring Certification, Spill Bucket Test, and Overfill Prevention Inspection (for ATGs but not ball floats).
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency

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Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	87 MASTER TURBINE SUMP PASSED SB 989 TEST. ALL VIOLATIONS ABATED.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnesses hydrostatic test of the 87 Turbine sump collar after repair and replacement of the tank sump and interstitial sump sensors. The turbine sump passed and the sensors tested ok.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-31-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	87 master turbine sump failed functionality testing. This facility has 30 days to repair and retest.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-11-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency

CIRCLE K STORE #2709416 (Continued) **S113800508**

Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Witnessed primary and secondary piping test for new vent piping and turbine sump test, tank changed form 89 octane to diesel.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	19219
Facility Name:	Circle K Stores Inc. Site #2709416
Env Int Type Code:	HWG
Program ID:	10206673
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.926480
Longitude:	-118.396470

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745

CIRCLE K STORE #2709416 (Continued) **S113800508**

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Velasco
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745

Affiliation Type Desc:	Environmental Contact
Entity Name:	Yolanda Jones
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CIRCLE K STORE #2709416 (Continued) **S113800508**

Affiliation Zip: Not reported
Affiliation Phone: (980) 875-1745

Affiliation Type Desc: UST Property Owner Name
Entity Name: The Motta Family Partnership
Entity Title: Not reported
Affiliation Address: 1513 E. Elm Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 962-5233

Affiliation Type Desc: Parent Corporation
Entity Name: Circle K Stores Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: The Motta Family Partnership
Entity Title: Not reported
Affiliation Address: 1513 E. Elm Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 962-5233

Affiliation Type Desc: UST Permit Applicant
Entity Name: Robert Velasco
Entity Title: Agent For Circle K
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 250-9300

HWTS:
Name: CIRCLE K STORE #2709416
Address: 765 N SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902453425
EPA ID: CAL000369642
Inactive Date: Not reported
Create Date: 12/05/2011
Last Act Date: 12/21/2017
Mailing Name: Not reported
Mailing Address: 255 E RINCON ST STE 100
Mailing Address 2: Not reported
Mailing City,State,Zip: CORONA, CA 928790000

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Owner Name: CIRCLE K STORES INC
Owner Address: 255 E RINCON ST STE 100
Owner Address 2: Not reported
Owner City,State,Zip: CORONA, CA 928790000
Contact Name: KRISTI HODGE
Contact Address: 255 E. RINCON ST. SUITE 100
Contact Address 2: Not reported
City,State,Zip: CORONA, CA 92879

NAICS:
EPA ID: CAL000369642
Create Date: 2011-12-05 11:14:18
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2011-12-05 11:14:18
Inactive Date: Not reported
Facility Name: CIRCLE K STORE #2709416
Facility Address: 765 N SEPULVEDA BLVD
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 902453425

D27 **CIRCLE K STORE #2709416** **RCRA NonGen / NLR** **1024831998**
NNW **765 N SEPULVEDA BLVD** **CAL000369642**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 5 of 15 in cluster D**

Relative: **Higher**

Actual: **126 ft.**

RCRA NonGen / NLR:
Date form received by agency: 2011-12-05 00:00:00.0
Facility name: CIRCLE K STORE #2709416
Facility address: 765 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245-3425
EPA ID: CAL000369642
Mailing address: 255 E RINCON ST STE 100
CORONA, CA 92879-0000
Contact: KRISTI HODGE
Contact address: 255 E. RINCON ST. SUITE 100
CORONA, CA 92879
Contact country: Not reported
Contact telephone: 951-270-5153
Contact email: KHODGE@CIRCLEK.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: KRISTI HODGE
Owner/operator address: 255 E. RINCON ST. SUITE 100
CORONA, CA 92879
Owner/operator country: Not reported
Owner/operator telephone: 951-270-5153
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

CIRCLE K STORE #2709416 (Continued) **1024831998**

Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	CIRCLE K STORES INC
Owner/operator address:	255 E RINCON ST STE 100 CORONA, CA 92879
Owner/operator country:	Not reported
Owner/operator telephone:	951-270-5153
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

D28 **CIRCLE K STORES INC. SITE #2709416** **CA UST** **U003782145**
NNW **765 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 6 of 15 in cluster D**

Relative:
Higher

Actual:
126 ft.

UST:

Name:	CIRCLE K STORES INC. SITE #2709416
Address:	765 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	33.92648
Longitude:	-118.39647
Name:	MOBIL OIL CORPORATION, 11-NJD
Address:	765 N. SEPULVEDA BL
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300121
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.9278568

CIRCLE K STORES INC. SITE #2709416 (Continued) **U003782145**

Longitude: -118.3954299

EL SEGUNDO UST:
Name: CIRCLE K STORES INC., SITE #2709416
Address: 765 N. SEPULVEDA BL
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03426
Permit Number: 30-0121

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Midgrade unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: 000003
Tank Status: Change of Information
Tank Content: Premium unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: 000004
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

D29
NNW
< 1/8
0.040 mi.
212 ft.

MOBIL OIL CO
765 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

Site 7 of 15 in cluster D

CA SWEEPS UST **S102056869**
CA LOS ANGELES CO. HMS **N/A**

Relative:
Higher

Actual:
126 ft.

SWEEPS UST:

Name:	MOBIL OIL CO
Address:	765 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9747
Number:	1
Board Of Equalization:	44-000400
Referral Date:	09-11-89
Action Date:	09-11-89
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009747-000001
Tank Status:	A
Capacity:	10000
Active Date:	09-11-89
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4

Name:	MOBIL OIL CO
Address:	765 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9747
Number:	1
Board Of Equalization:	44-000400
Referral Date:	09-11-89
Action Date:	09-11-89
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009747-000002
Tank Status:	A
Capacity:	10000
Active Date:	09-11-89
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	MOBIL OIL CO
Address:	765 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9747
Number:	1
Board Of Equalization:	44-000400
Referral Date:	09-11-89
Action Date:	09-11-89
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009747-000003

MOBIL OIL CO (Continued) **S102056869**

Tank Status: A
Capacity: 10000
Active Date: 09-11-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL OIL CO
Address: 765 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9747
Number: 1
Board Of Equalization: 44-000400
Referral Date: 09-11-89
Action Date: 09-11-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009747-000004
Tank Status: A
Capacity: 10000
Active Date: 09-11-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: MOBIL OIL SS 11NJD
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA
Permit Category: T
Facility Id: 014519-015123
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005839T
Permit Status: Closed

Name: MOBIL OIL SS 11NJD
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA
Permit Category: T
Facility Id: 014519-015123
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 0000T5839
Permit Status: Closed

Name: MOBIL OIL SERVICE STATION
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA

MOBIL OIL CO (Continued) **S102056869**

Permit Category: I
Facility Id: 014519-028277
Facility Type: 02
Facility Status: Closed
Area: 2N
Permit Number: 000260797
Permit Status: Closed

D30 **MOTTA BROTHERS INC** **EDR Hist Auto** **1020623274**
NNW **765 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 8 of 15 in cluster D**

Relative: EDR Hist Auto
Higher

Actual:
126 ft.

Year:	Name:	Type:
1969	MOTTA BROTHERS INC	Gasoline Service Stations
1970	MOTTA BROTHERS INC	Gasoline Service Stations
1971	MOTTA BROTHERS INC	Gasoline Service Stations
1972	MOTTA BROTHERS INC	Gasoline Service Stations
1973	MOTTA BROTHERS INC	Gasoline Service Stations
1974	MOTA BROTHERS INC	Gasoline Service Stations
1975	MOTA BROTHERS INC	Gasoline Service Stations
1976	MOTTA BROTHERS INC	Gasoline Service Stations
1977	MOTTA BROTHERS INC	Gasoline Service Stations
1978	MOTTA BROTHERS INC	Gasoline Service Stations
1979	MOTTA BROTHERS INC	Gasoline Service Stations
1980	MOTTA BROTHERS INC	Gasoline Service Stations
1982	MOTTA BROTHERS INC	Gasoline Service Stations
1983	MOTTA BROTHERS INC	Gasoline Service Stations
1985	MOTTA BROTHERS INC	Gasoline Service Stations
1986	MOTTA BROTHERS INC	Gasoline Service Stations
1987	MOTTA BROTHERS INC	Gasoline Service Stations
2007	EXXON MOBIL CORPORATION	Convenience Stores
2008	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2009	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2010	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2011	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2012	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2013	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC

C31 **AIRPORT 5 STAR** **CA UST** **U003937459**
SW **603 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 9 of 16 in cluster C**

Relative: UST:
Higher

Actual:
129 ft.

Name:	AIRPORT 5 STAR
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	Not reported
Permitting Agency:	El Segundo City Fire Department
Latitude:	33.9238
Longitude:	-118.39647

AIRPORT 5 STAR (Continued) **U003937459**

Name: AIRPORT UNION 76, TOSCO SS #5866
Address: 603 N. SEPULVEDA BL.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300140
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9252479
Longitude: -118.3954013

EL SEGUNDO UST:
Name: AIRPORT 76/CONOCOPHILLIPS COMPANY #255866
Address: 603 N. SEPULVEDA BL.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 15651
Permit Number: 30-0140

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/23/2008

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Premium unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/23/2008

Tank Number: 000003
Tank Status: UST Removal
Tank Content: Not reported
Other Contents: Not reported
Active: Change of information
Date Inspected: 09/23/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

AIRPORT 5 STAR (Continued) **U003937459**

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

C32 **TOSCO CORPORATION STATION #31004** **CA HIST UST** **S113076021**
SW **603 N SEPULVEDA BLVD** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA HWTS**
0.047 mi.
247 ft. **Site 10 of 16 in cluster C**

Relative:
Higher

Actual:
129 ft.

HIST UST:
Name: SERVICE STATION 5866
Address: 603 NO SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00028FEF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028FEF.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:
Name: TOSCO CORPORATION STATION #31004
Address: 603 N SEPULVEDA BLVD
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902450000
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Mailing Name: Not reported
Mailing Address: PO BOX 52085

Year: 2002
Gepaid: CAL000139100
TSD EPA ID: CAT080013352
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: R01 - Recycler
Tons: 4.08

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Year:	2002
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	T01 - Treatment, Tank
Tons:	0.231
Year:	2001
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H01 - Transfer Station
Tons:	0.231
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	291 - Latex waste
Disposal Method:	H01 - Transfer Station
Tons:	0.0015
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.231
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.1
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	T01 - Treatment, Tank
Tons:	0.1668
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.0099
Year:	2000
Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H01 - Transfer Station
Tons:	0.0041
Year:	2000

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Gepaid:	CAL000139100
TSD EPA ID:	CAD028409019
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.0036

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2000
Gen EPA ID:	CAL000139100
Shipment Date:	20000328
Creation Date:	6/13/2000 0:00:00
Receipt Date:	20000330
Manifest ID:	99259086
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000309
Creation Date:	5/23/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259082
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259081
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259081
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259081

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259083
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	F003
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0036
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259083
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride,

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

	perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0041
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259083
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	291 - Latex waste
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259083
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0033
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000307
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99259080
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0066
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000139100
Shipment Date:	20020607
Creation Date:	8/29/2002 18:31:16
Receipt Date:	20020612
Manifest ID:	21702158
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D001
Disposal Method:	T01 - Treatment, Tank
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020320
Creation Date:	7/17/2002 18:34:07

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Receipt Date:	20010321
Manifest ID:	21424877
Trans EPA ID:	CAL000159893
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	4.08
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000139100
Shipment Date:	19990225
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990302
Manifest ID:	98606098
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990222
Creation Date:	5/4/1999 0:00:00
Receipt Date:	19990301
Manifest ID:	98606107
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000139100
Shipment Date:	20010801
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010803
Manifest ID:	20772439
Trans EPA ID:	CAD982444481
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA ID:	CAL000139100
Inactive Date:	06/30/2002
Create Date:	04/24/1997
Last Act Date:	02/05/2004
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	PHOENIX, AZ 850722085
Owner Name:	TOSCO MARKETING
Owner Address:	PO BOX 52085
Owner Address 2:	Not reported
Owner City,State,Zip:	PHOENIX, AZ 850722085
Contact Name:	HAZMAT SPECIALIST
Contact Address:	PO BOX 52085
Contact Address 2:	Not reported
City,State,Zip:	PHOENIX, AZ 850722085

C33 **SERVICE STATION 5866** **CA SWEEPS UST** **U001563025**
SW **603 N SEPULVEDA BLVD** **CA HIST UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 11 of 16 in cluster C**

Relative: **Higher**
Actual: **129 ft.**

SWEEPS UST:

Name:	UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address:	603 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	9969
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009969-000001
Tank Status:	Not reported
Capacity:	9950
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Name:	UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address:	603 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	9969
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009969-000002
Tank Status:	Not reported
Capacity:	9950
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

SERVICE STATION 5866 (Continued) **U001563025**

Name: UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address: 603 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 9969
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009969-000003
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address: 603 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 9969
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009969-000004
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: SERVICE STATION 5866
Address: 603 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000007640
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JALIL MAJDI
Telephone: 2136151015
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0003

SERVICE STATION 5866 (Continued) **U001563025**

Tank Num:	001
Container Num:	5866-4
Year Installed:	1966
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	002
Container Num:	5866-2
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Tank Num:	003
Container Num:	5866-1
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

C34 **WITT JIM UNION SERVICE** **EDR Hist Auto** **1021419451**
SW **603 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 12 of 16 in cluster C**

Relative: EDR Hist Auto
Higher

Actual:
129 ft.

Year:	Name:	Type:
1970	LEE JAMES M	Gasoline Service Stations
1971	LEE JAMES M	Gasoline Service Stations
1971	WITT JIM UNION SERVICE	Gasoline Service Stations
1972	WITT JIM UNION SERVICE	Gasoline Service Stations
1972	LEE JAMES M	Gasoline Service Stations
1973	LEE JAMES M	Gasoline Service Stations
1973	WITT JIM UNION SERVICE	Gasoline Service Stations
1974	WITT JIM UNION SERVICE	Gasoline Service Stations
1974	LEE JAMES M	Gasoline Service Stations
1975	LEE JAMES M	Gasoline Service Stations
1976	WITT JIM UNION SERVICE	Gasoline Service Stations
1977	WITT JIM UNION SERVICE	Gasoline Service Stations
1978	WITT JIM UNION SERVICE	Gasoline Service Stations
1979	WITT JIM UNION SERVICE	Gasoline Service Stations
1986	AIRPORT UNION	General Automotive Repair Shops
1987	AIRPORT UNION	Gasoline Service Stations
1988	AIRPORT UNION	Gasoline Service Stations
1989	AIRPORT UNION	Gasoline Service Stations, NEC
1990	AIRPORT UNION	Gasoline Service Stations, NEC
1991	AIRPORT UNION 76	Gasoline Service Stations
1992	AIRPORT UNOCAL	Gasoline Service Stations
1993	AIRPORT UNOCAL	Gasoline Service Stations

WITT JIM UNION SERVICE (Continued) **1021419451**

1994	AIRPORT UNOCAL	Gasoline Service Stations
1995	AIRPORT UNOCAL	Gasoline Service Stations
1996	AIRPORT UNOCAL	Gasoline Service Stations
1997	AIRPORT UNOCAL	Gasoline Service Stations
1998	AIRPORT UNOCAL	Gasoline Service Stations
1999	AIRPORT UNOCAL	Gasoline Service Stations
2000	AIRPORT UNOCAL	Gasoline Service Stations
2001	AIRPORT UNOCAL	Gasoline Service Stations
2002	AIRPORT UNOCAL	Gasoline Service Stations
2003	AIRPORT 76	Gasoline Service Stations
2004	AIRPORT 76	Gasoline Service Stations
2005	AIRPORT 76	Gasoline Service Stations
2006	AIRPORT 76	Gasoline Service Stations
2007	UNITED AUTO SERVICE	General Automotive Repair Shops
2007	AIRPORT 76	Gasoline Service Stations
2008	AIRPORT 76	Gasoline Service Stations
2008	UNITED AUTO SERVICE	General Automotive Repair Shops
2009	L A X AUTO SERVICE	General Automotive Repair Shops
2009	AIRPORT 76	Gasoline Service Stations
2010	AIRPORT FIVE STAR INC	Gasoline Service Stations
2010	AIRPORT 76	Gasoline Service Stations
2010	L A X AUTO SERVICE	General Automotive Repair Shops
2011	PENSKE AUTOMOTIVE GROUP	General Automotive Repair Shops
2011	L A X AUTO SERVICE	General Automotive Repair Shops
2011	AIRPORT FIVE STAR INC	Gasoline Service Stations
2011	AIRPORT 76	Gasoline Service Stations
2012	L A X AUTO SERVICE	General Automotive Repair Shops
2012	AIRPORT 76	Gasoline Service Stations
2012	AIRPORT FIVE STAR INC	Gasoline Service Stations
2013	AIRPORT FIVE STAR INC	Gasoline Service Stations
2013	AIRPORT 76	Gasoline Service Stations
2013	L A X AUTO SERVICE	General Automotive Repair Shops
2014	L A X AUTO SERVICE	General Automotive Repair Shops
2014	AIRPORT 76	Gasoline Service Stations
2014	AIRPORT FIVE STAR INC	Gasoline Service Stations

C35 **JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC** **CA CERS TANKS** **S113111418**
SW **603 N SEPULVEDA BLVD** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.047 mi. **CA HWTS**
247 ft. **Site 13 of 16 in cluster C**

Relative: Higher
Actual: 129 ft.

CERS TANKS:

Name:	AIRPORT 5 STAR
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	384457
CERS ID:	10454284
CERS Description:	Underground Storage Tank

HAZNET:

Name:	JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC
Address:	603 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902453423
Contact:	HOWARD RAHGOSHAY-MGR
Telephone:	3106151015

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Mailing Name:	Not reported
Mailing Address:	603 N SEPULVEDA BLVD
Year:	2005
Gepaid:	CAL000220932
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.76
Year:	2001
Gepaid:	CAL000220932
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0

Additional Info:

Year:	2005
Gen EPA ID:	CAL000220932
Shipment Date:	20051122
Creation Date:	1/4/2007 18:30:12
Receipt Date:	20051122
Manifest ID:	24778798
Trans EPA ID:	CAL000268667
Trans Name:	ALPHA OIL CO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000220932
Shipment Date:	20010712
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010716
Manifest ID:	99570532
Trans EPA ID:	CAR000050872
Trans Name:	Not reported

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0
Waste Quantity:	500
Quantity Unit:	*
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	AIRPORT 5 STAR
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	384457
CERS ID:	10454284
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-02-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 04/06/2018. The 91 octane fill bucket failed the annual spill bucket test. Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	08-05-2014
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 11/06/2015. Failed to include financial responsibility forms through CERS
Violation Division:	El Segundo City Fire Department

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	08-05-2014
Citation:	HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description:	Failure to comply with one or more of the operating permit conditions.
Violation Notes:	Returned to compliance on 05/09/2016. Failed to provide applicable forms through CERS portal.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	09-13-2017
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. 87 AND 91 PRODUCT PIPING FAILED FUCTIONALITY TESTING DUE TO TORN BOOTS (VISUAL FAILURE). THIS FACILITY HAS THIRTY DAYS TO CORRECT THIS VIOLATION.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 05/09/2016. The CERS submittal does not include date installed, correct primary piping type or dispenser pan type and monitoring.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-03-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/08/2017. The CERS submittal for the tanks is incorrect. The following needs to be updated: - The Tank Manufacturer is Owens Corning for both tanks. The tanks are Joor tanks. Revise the Tank Manufacturer in CERS for Tanks 1 and 2. - The Vent Secondary Piping is incorrect. It is identified as double-walled in CERS and is single-walled fiberglass piping. Revise Vent Secondary

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

	Piping in CERS to None for Tanks 1 and 2. - The UDC Construction Material is identified as fiberglass in CERS. The UDCs are steel construction. Revise the UDC Construction Material in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	12-27-2017
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	08-05-2014
Citation:	HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description:	Failure to report program data electronically.
Violation Notes:	Returned to compliance on 09/19/2015. Forms A, B, D, and E are required to be submitted electronically through CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	12-27-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 04/02/2018. Submit secondary containment test results to the CUPA within 30 days after the test.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 11/06/2015. The Bravo floats in the dispenser pan for dispensers 5/6 were out of adjustment.

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	08-05-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/16/2015. Propane and CO2 are missing from the inventory and exceed reporting threshold of 200 cubic feet.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 04/02/2018. Have a properly qualified service technician test leak detection equipment annually.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 04/02/2018. Complete spill bucket testing and submit test results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 11/06/2015. Condensate was found in the Tank #2 piping sump. It was removed at the start of the inspection.
Violation Division:	El Segundo City Fire Department

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 04/02/2018. Submit secondary containment test results to the CUPA within 30 days after the test.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 11/06/2015. The monitoring system was due for certification in August, 2015
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-14-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 07/10/2018. The facility does not have an active I D number. Cancel the number with DTSC or have it activated. Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 04/02/2018. Perform annual monitoring certification and submit copy of the annual Monitoring System Certification to the CUPA.
Violation Division:	El Segundo City Fire Department

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-03-2016
Citation:	23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description:	Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes:	Returned to compliance on 03/08/2017. The tester is unable to remove the interstitial sensor for Tank #2 (91 Octane), it could not be tested and certified. Repair the tank system to allow for the free and unfettered removal of the interstitial sensor.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description:	Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions.
Violation Notes:	Returned to compliance on 04/25/2016. Sensor L-2 had a fuel alarm on 1/10/15 and Sensor L-5 had a fuel alarm on 9/16/15. Repair records were not on site.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-08-2019
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 06/10/2019. Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". A copy of the most recent, covering the last 12-months, Facility Employee Training Certificate could not be provided by the facility during the inspection. Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18. The facility shall provide a copy of the Facility Employee Training Certificate completed within the last 12 months to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-08-2019
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 04/08/2019. Owner/Operator did not continuously monitor the interstitial space of the USTs such that the leak detection activates an audible/visual alarm when a leak is detected. The annular space sensor of the 91-fuel UST failed initial testing during annual monitoring certification. Continuously monitor the interstitial space of the USTs such that the leak detection equipment activates an audible/visual alarm when a leak is detected. The sensor for the annular space of the 91-fuel UST was replaced and passed test during inspection. No further action is required.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-03-2020
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Facility is operating site without a valid UPA permit for Hazardous materials, UST and Hazardous waste operations facility must obtain a valid CUPA permit for this site.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-03-2016
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes:	Returned to compliance on 03/08/2017. The employees have not received annual training. Provide annual training to all employees.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-04-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 07/10/2018. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Complete and submit a copy of the financial responsibility by [date, 30 days from now].
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-04-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SB 989 test performed at same time as annual monitoring system certification.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-08-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On 4/8/19, the ESFD witnessed the Annual Monitoring Certificate, Overfill Prevention Equipment Test, and Spill Bucket Test. The annular sensor for the 91-fuel UST did not pass initial test but was replaced during inspection. Overfill Prevention Equipment passed and Spill bucket passed.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-05-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inventory does not include 2 500 gallon propane tanks outside north fenceline and liquid CO2 inside office area in store.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	02-18-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Interstitial sensor in Tank #2 (91 Octane) not tested, employee training records not available for inspection and information not updated in CERS.

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-13-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 TEST PERFORMED BY C&H FUELS VR TLS 350; 208 SENSORS; STP MLLD; Float and Chain UDC; SPILL BUCKETS
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Violations identified during inspection. Condensate in Tank 2 piping sump removed and floats adjusted in dispenser pan 5/6
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-03-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed secondary containment testing. The tank, sumps UDCs and piping passed.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility is not generating hazardous waste, but still has

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

	hazardous waste marked on the CERS Activity form. Must change form or keep permit with the CUPA.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-27-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	THIS IS THIS FACILITY'S SECOND NOTICE OF VIOLATION. THIS FACILITY HAS THIRTY DAYS TO CORRECT THE FOLLOWING VIOLATIONS. 1.ON 9/13/17 87 AND 91 PRODUCT PIPING FAILED SB 989 TESTING DUE TO TORN BOOTS (VISUAL FAILURE). 2. ESFD CUPA HAS YET TO RECEIVE 9/13/2017 SB 989 TEST RESULTS
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-22-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	THIS IS A NOTICE OF VIOLATION. THIS FACILITY'S ANNUAL MONITORING CERTIFICATION IS PAST DUE. THIS FACILITY HAS 30 DAYS TO PERFORM ANNUAL MONITORING CERTIFICATION.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-05-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Monitoring Certification conducted with Emery Shen. Noted sensor for premium fill sump was lying sideways at bottom of sump.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	NOTED: CO2 DEWAR; NO VIOLATIONS NOTED.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The turbine sump roadway covers and the fill sump roadway covers do not secure, the clamps do not close. The covers should be repaired or replaced.
Eval Division:	El Segundo City Fire Department

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 384457
Facility Name: Airport 5 Star
Env Int Type Code: HMBP
Program ID: 10454284
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.923800
Longitude: -118.396470

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Shaun Sanieoff
Entity Title: Not reported
Affiliation Address: 603 N Sepulveda Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Shaun Sanieoff
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Shaun Sanieoff
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 615-1015

Affiliation Type Desc: Parent Corporation
Entity Name: AIRPORT 5 STAR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Identification Signer
Entity Name:	Shaun Sanieoff
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	AIRPORT 5 STAR
Entity Title:	Not reported
Affiliation Address:	603 N SEPULVEDA BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 877-3958
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	603 N Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Shaun Sanieoff
Entity Title:	Not reported
Affiliation Address:	603 N Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 615-1015
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	SHAWN SANIEOFF
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 877-3958

JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC (Continued) **S113111418**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	AIRPORT 5 STAR
Entity Title:	Not reported
Affiliation Address:	603 N SEPULVEDA BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 877-3958

Affiliation Type Desc:	UST Tank Operator
Entity Name:	AIRPORT 5 STAR
Entity Title:	Not reported
Affiliation Address:	603 N SEPULVEDA BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 877-3958

HWTS:

Name:	JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC
Address:	603 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902453423
EPA ID:	CAL000220932
Inactive Date:	06/30/2001
Create Date:	03/13/2000
Last Act Date:	10/20/2006
Mailing Name:	Not reported
Mailing Address:	603 N SEPULVEDA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL SEGUNDO, CA 902453423
Owner Name:	JAY TAAT & BANOO TAAT
Owner Address:	603 N SEPULVEDA BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	EL SEGUNDO, CA 902450000
Contact Name:	HOWARD RAHGOSHAY-MGR
Contact Address:	INACT VQ01,MB
Contact Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000

NAICS:

EPA ID:	CAL000220932
Create Date:	2002-03-14 16:36:29
NAICS Code:	811118
NAICS Description:	Other Automotive Mechanical and Electrical Repair and Maintenance
Issued EPA ID Date:	2000-03-13 00:00:00
Inactive Date:	2001-06-30 00:00:00
Facility Name:	JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC
Facility Address:	603 N SEPULVEDA BLVD
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	902453423

C36 **UNION OIL SERVICE STATION LEAS** **CA HIST UST** **1000166810**
SW **603 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 14 of 16 in cluster C**

Relative: **Higher**
Actual: **129 ft.**

HIST UST:

Name:	UNION OIL SERVICE STATION LEAS
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00028183
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028183.pdf
Region:	STATE
Facility ID:	00000055375
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JALIL MAJDI
Telephone:	2136151015
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	5866-00
Year Installed:	Not reported
Tank Capacity:	00000607
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

D37 **BOB'S UNION 76** **CA UST** **U004261081**
NNW **770 N. SEPULVEDA BLVD,** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.048 mi.
256 ft. **Site 9 of 15 in cluster D**

Relative: **Higher**
Actual: **124 ft.**

EL SEGUNDO UST:

Name:	BOB'S UNION 76
Address:	770 N. SEPULVEDA BLVD,
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	30-0017
Tank Number:	Not reported
Tank Status:	Open Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

D38 **UNOCAL #4613** **CA LUST** **S101896984**
NNW **770 SEPULVEDA BLVD N** **CA SWEEPS UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.048 mi. **CA CERS**
256 ft. **Site 10 of 15 in cluster D**

Relative:
Higher

Actual:
124 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09970	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603792957	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/28/1991
Date Leak Record Entered:	10/31/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/15/1998
Date the Case was Closed:		2/6/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9688.963672795917727640799964
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		12/2/1994
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		51
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	76 PRODUCTS COMPANY	
RP Address:	P.O. BOX 25376, SANTA ANA CA 92799-5376	
Program:	LUST	
Lat/Long:	33.926637 / -1	
Local Agency Staff:	SHT	

UNOCAL #4613 (Continued) **S101896984**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: 01/23/97 QUARTERLY MONITORING REPORT; 04/10/97 WELL ABANDONMENT RPT; 09/30/97 QTRLY MON RPT; 02/09/98 RESULTS OF A SOIL GAS SURVEY

LUST:
Name: UNOCAL #4613
Address: 770 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792957
Global Id: T0603792957
Latitude: 33.9266999
Longitude: -118.395924
Status: Completed - Case Closed
Status Date: 02/06/1997
Case Worker: YR
RB Case Number: I-09970
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603792957
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603792957
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603792957
Action Type: Other
Date: 01/28/1991
Action: Leak Reported

LUST:
Global Id: T0603792957

UNOCAL #4613 (Continued) **S101896984**

Status: Open - Case Begin Date
Status Date: 01/28/1991

Global Id: T0603792957
Status: Open - Site Assessment
Status Date: 12/02/1994

Global Id: T0603792957
Status: Completed - Case Closed
Status Date: 02/06/1997

SWEEPS UST:
Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9970
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009970-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9970
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009970-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active

UNOCAL #4613 (Continued) **S101896984**

Comp Number: 9970
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009970-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9970
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009970-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010104-009970
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00001408T
Permit Status: Closed

Name: TOSCO/UNOCAL #30687
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010104-024655
Facility Type: 0
Facility Status: Closed

UNOCAL #4613 (Continued) **S101896984**

Area: 2N
Permit Number: 000190124
Permit Status: Closed

CERS:
Name: UNOCAL #4613
Address: 770 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 204597
CERS ID: T0603792957
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D39 **UNION OIL 4613** **CA CERS HAZ WASTE** **1000166895**
NNW **770 N SEPULVEDA BLVD** **CA HIST UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS TANKS**
0.048 mi. **CA CERS**
256 ft. **Site 11 of 15 in cluster D**

Relative: Higher
Actual: 124 ft.

CERS HAZ WASTE:
Name: BOB'S UNION, INC.
Address: 770 N PACIFIC COAST HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 12920
CERS ID: 10417963
CERS Description: Hazardous Waste Generator

HIST UST:
Name: UNION OIL 4613
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 000283A1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000283A1.pdf
Region: STATE
Facility ID: 00000061004
Facility Type: Gas Station

UNION OIL 4613 (Continued) **1000166895**

Other Type:	Not reported
Contact Name:	BOB'S UNION INC.
Telephone:	2136400970
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	4613-00
Year Installed:	Not reported
Tank Capacity:	00000607
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

CERS TANKS:

Name:	BOB'S UNION, INC.
Address:	770 N PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12920
CERS ID:	10417963
CERS Description:	Underground Storage Tank

CERS:

Name:	BOB'S UNION, INC.
Address:	770 N PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12920
CERS ID:	10417963
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-01-2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 10/10/2014. CERS data needs to be submitted.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/20/2017. Reportable quantities of Propane

UNION OIL 4613 (Continued) **1000166895**

	need to be included in chemical inventory Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-30-2019
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 07/30/2019. Title 23, Section 2716 (e)- requires the UST Owner/Operator acknowledge the identified compliance issues on a Monthly DO Inspection Report by signing the DO Inspection Report. The Monthly DO Inspection Reports for January 2019, February 2019, May 2019, June 2019, and July 2019 were observed without the UST Owner/Operator signature. Moving forward the UST Owner/Operator shall sign and fill out Sections V and VI of Appendix XIII (Monthly DO Inspection Reports) within 48 hours of receiving the DO Inspection Report.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description:	Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes:	Returned to compliance on 11/20/2017. hazardous waste manifests provided do not display generator's California EPA ID number Contact the DTSC to make necessary corrections to the manifests and submit a copy to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/20/2017. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS

UNION OIL 4613 (Continued) **1000166895**

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-30-2019
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 08/14/2019. Secondary containment has not been properly maintained as evidenced by failed secondary containment testing for the secondary containment piping of 87 tank (regular fuel). UDC #1/#2 also had a visual failure result during secondary containment testing. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 07/26/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 07/26/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/06/2017. Provide adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID: 12920

UNION OIL 4613 (Continued) **1000166895**

Site Name:	Bob's Union, Inc.
Violation Date:	07-01-2013
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 10/10/2014. Operator has identified DO.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-25-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 08/10/2017. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Provide current Financial Responsibility document and proof of insurance to CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-24-2014
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 10/10/2014. Forms submitted through CERS did not include all tanks at site.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 07/26/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

UNION OIL 4613 (Continued) **1000166895**

Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 10/31/2017. The generator does not have an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-29-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 08/03/2015. The sensors for the Veeder Root monitoring system are reporting alarms audibly, on the display and printing. The Alarm light is lit continuously.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 10/03/2016. 87 product line failure due to dispenser pan 7/8 and a bravo nut.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees with hazardous waste training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility.
Violation Notes:	Returned to compliance on 11/20/2017. Conduct training with applicable personnel and document it according to the requirements of 22 CCR 15 66265.16(d). Submit a copy of the documentation to the CUPA.

UNION OIL 4613 (Continued) **1000166895**

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-24-2014
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 10/10/2014. List of trained employees went back to 2012/2013.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-26-2016
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 10/03/2016. Dispenser pan 3/4 visual failure due to cracked electrical rubber penetrations.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-12-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed secondary piping test for extension of diesel piping to dispensers 5/6. Piping passed test.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-26-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 1.) 87 secondary product line failure due to dispenser pan 7/8 and bravo nut. 2.) Dispenser pan 3/4 visual failure due to cracked electrical rubber penetrations.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

UNION OIL 4613 (Continued) **1000166895**

Eval General Type:	Other/Unknown
Eval Date:	07-30-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness Secondary Containment Testing. A failure of the secondary containment test was observed for the secondary containment piping for the 87 octane UST and UDC #1/#2. See UST routine inspection record from 7/30/19 for violations related to secondary containment failures.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness retesting of secondary containment test for UDC 1/2 and product piping from 87 tank (regular fuel). Both UDC 1/2 and product piping passed test. This retest clears the open violation issued during a routine inspection on 7/30/19 for failed secondary containment testing of UDC 1/2 and product piping of 87 tank.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-10-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed overfill prevention inspection of three flapper valves for the following USTs: Unleaded, Premium, and Diesel. All UST overfill prevention passed inspection.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed soil sampling for new diesel service at 5/6 dispenser.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown

UNION OIL 4613 (Continued) **1000166895**

Eval Date:	01-13-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed leak detection monitor installation in dispenser 5/6 UDC and final inspection for diesel fuel service at dispenser 5/6. Sensor passed and permit finaled.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Monitor Certification conducted by Orange County Tank Testing with all devices passing. NTC issued to owner to include all tank information in CERS, with a completion date of 8/21/2014
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Financial Responsibility submitted to CERS on 8/7/17.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-29-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No open violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-30-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The ESFD was onsite to witness Spill Bucket Test, Annual Monitoring Certification and Secondary Containment Testing. All USTs passed Annual Monitoring Certification and all spill buckets passed testing. A failure of the secondary containment test was observed for the secondary containment piping for the 87 octane UST and UDC #1/#2.

UNION OIL 4613 (Continued) **1000166895**

Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-01-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	2013 Inspection
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST forms were not current, however this facility returned to compliance immediately after receiving inspection report.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-29-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The Veeder Root monitoring system is receiving and displaying alarms on the display, by sound and printing the alarm. The alarm light on the panel is remaining lit, even when the panel is in normal condition.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-20-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-11-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

UNION OIL 4613 (Continued) **1000166895**

Eval Notes:	Witnessed primary piping pneumatic test for new diesel dispensing at dispensers 5/6. Piping passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Directed to submit information into CERS
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Bob Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970
Affiliation Type Desc:	Operator
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 466-1172
Affiliation Type Desc:	Property Owner
Entity Name:	770 Sepulveda LLC
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970
Affiliation Type Desc:	CUPA District

UNION OIL 4613 (Continued) **1000166895**

Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bob's Union, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Ara Kizarian
Entity Title:	Vice-President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 466-1172
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Bob Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970
Affiliation Type Desc:	Document Preparer
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245

UNION OIL 4613 (Continued) **1000166895**

Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Bob Kizarian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970
Affiliation Type Desc:	Identification Signer
Entity Name:	Ara Kizirian
Entity Title:	Vice-President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Bob's Union, Inc.
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970

D40 **BOB'S UNION (STA 4613)** **RCRA NonGen / NLR** **1024790932**
NNW **770 N SEPULVEDA BLVD** **CAL000094560**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 12 of 15 in cluster D**

Relative:
Higher

Actual:
124 ft.

RCRA NonGen / NLR:

Date form received by agency:	1993-07-12 00:00:00.0
Facility name:	BOB'S UNION (STA 4613)
Facility address:	770 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-0000
EPA ID:	CAL000094560
Contact:	ARA KIZIRIAN
Contact address:	770 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-0000
Contact country:	Not reported
Contact telephone:	310-466-1172
Contact email:	BOBSUNION@YAHOO.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ARA KIZIRIAN

BOB'S UNION (STA 4613) (Continued) **1024790932**

Owner/operator address: 770 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-466-1172
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOB KIZIRIAN
Owner/operator address: 2217 WARFIELD AVE
REDONDO BEACH, CA 90278
Owner/operator country: Not reported
Owner/operator telephone: 310-640-0970
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

D41 **SERVICE STATION 4613** **CA HIST UST** **U001563024**
NNW **770 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 13 of 15 in cluster D**

Relative:
Higher

Actual:
124 ft.

HIST UST:
Name: SERVICE STATION 4613
Address: 770 N SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00029186
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029186.pdf
Region: STATE
Facility ID: 00000017466

SERVICE STATION 4613 (Continued) **U001563024**

Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2136400970
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0004
Tank Num:	001
Container Num:	4613-3
Year Installed:	1982
Tank Capacity:	00009728
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	4613-4
Year Installed:	1975
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	4613-2
Year Installed:	1975
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	4613-1
Year Installed:	1975
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Click here for Geo Tracker PDF:

D42 **TOSCO CORPORATION, SS # 4613** **CA UST** **U003942310**
NNW **770 N.SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 14 of 15 in cluster D**

Relative: UST:
Higher

Name:	TOSCO CORPORATION, SS # 4613
Address:	770 N.SEPULVEDA BL.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300017

Actual:
124 ft.

TOSCO CORPORATION, SS # 4613 (Continued) **U003942310**

Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.928066
Longitude: -118.3945247

EL SEGUNDO UST:
Name: BOB'S UNION / CONOCOPHILLIPS CO
Address: 770 N. SEPULVEDA BL.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03412
Permit Number: 30-0017

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/03/2008

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Premium unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/03/2008

Tank Number: 000003
Tank Status: Change of Information
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/03/2008

Tank Number: 000004
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/03/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported

TOSCO CORPORATION, SS # 4613 (Continued) **U003942310**

Active: Not reported
Date Inspected: Not reported

D43 **KIZIRIAN BOB** **EDR Hist Auto** **1021164765**
NNW **770 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 15 of 15 in cluster D**

Relative: EDR Hist Auto
Higher

Actual:
124 ft.

Year:	Name:	Type:
1969	BAILEY CHARLES F	Gasoline Service Stations
1970	BAILEY CHARLES F	Gasoline Service Stations
1971	BAILEY CHARLES F	Gasoline Service Stations
1972	BAILEY CHARLES F	Gasoline Service Stations
1973	BAILEY CHARLES F	Gasoline Service Stations
1980	KIZIRIAN BOB	Gasoline Service Stations
1982	KIZIRIAN BOB	Gasoline Service Stations
1983	KIZIRIAN BOB	Gasoline Service Stations
1985	KIZIRIAN BOB	Gasoline Service Stations
1986	KIZIRIAN BOB	Gasoline Service Stations
1987	KIZIRIAN BOB	Gasoline Service Stations
1988	KIZIRIAN BOB	Gasoline Service Stations
1989	KIZIRIAN BOB	Gasoline Service Stations
1990	KIZIRIAN BOB	Gasoline Service Stations
1991	KIZIRIAN BOB	Gasoline Service Stations
1992	KIZIRIAN BOB	Gasoline Service Stations
1993	KIZIRIAN BOB	Gasoline Service Stations
1994	KIZIRIAN BOB	Gasoline Service Stations
1995	BOBS UNION	Gasoline Service Stations
1996	BOBS UNION	Gasoline Service Stations
1997	BOBS UNION INC	Gasoline Service Stations
1998	AVIATION AUTO	General Automotive Repair Shops
1998	BOBS UNION INC	Gasoline Service Stations
1999	AVIATION AUTO	General Automotive Repair Shops
1999	BOBS UNION INC	Gasoline Service Stations
2000	AVIATION AUTO	General Automotive Repair Shops
2000	BOBS UNION INC	Gasoline Service Stations
2001	AVIATION AUTO	General Automotive Repair Shops
2001	BOBS UNION INC	Gasoline Service Stations
2002	BOBS UNION INC	Gasoline Service Stations
2002	AVIATION AUTO	General Automotive Repair Shops
2003	AVIATION AUTO	General Automotive Repair Shops
2003	BOBS UNION INC	Gasoline Service Stations
2004	AVIATION AUTO	General Automotive Repair Shops
2004	BOBS UNION INC	Gasoline Service Stations
2005	AVIATION AUTO	General Automotive Repair Shops
2005	BOBS UNION INC	Gasoline Service Stations
2006	AVIATION AUTO	General Automotive Repair Shops
2006	BOBS UNION INC	Gasoline Service Stations
2007	AVIATION AUTO	General Automotive Repair Shops
2007	BOBS UNION INC	Gasoline Service Stations
2008	BOBS UNION INC	Gasoline Service Stations
2008	AVIATION AUTO	General Automotive Repair Shops
2009	BOBS UNION INC	Gasoline Service Stations
2010	BOBS UNION INC	Gasoline Service Stations
2011	BOBS UNION INC	Gasoline Service Stations

KIZIRIAN BOB (Continued) **1021164765**

2012	BOBS UNION INC	Gasoline Service Stations
2013	BOBS UNION INC	Gasoline Service Stations
2014	BOBS UNION INC	Gasoline Service Stations

F44 **ESALON.COM LLC** **RCRA NonGen / NLR** **1024862645**
North **1910 E MAPLE AVE** **CAL000431165**
< 1/8 **EL SEGUNDO, CA 90245**
0.053 mi.
279 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
116 ft.

RCRA NonGen / NLR:

Date form received by agency:	2017-10-03 00:00:00.0
Facility name:	ESALON.COM LLC
Facility address:	1910 E MAPLE AVE EL SEGUNDO, CA 90245
EPA ID:	CAL000431165
Contact:	SCOTT TAKAHASHI
Contact address:	1910 E MAPLE AVE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-945-4666
Contact email:	SCOTT@ESALON.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SCOTT TAKAHASHI
Owner/operator address:	1910 E MAPLE AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-945-4666
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	FRANCISCO GIMENEZ
Owner/operator address:	1910 E MAPLE AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	866-550-2424
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

ESALON.COM LLC (Continued) **1024862645**

Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

F45 **ESALON** **RCRA NonGen / NLR** **1024762197**
North **1910 EAST MAPLE AVENUE** **CAC002982059**
< 1/8 **EL SEGUNDO, CA 90245**
0.053 mi.
279 ft. **Site 2 of 3 in cluster F**

Relative: **Lower**

Actual: **116 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2018-09-25 00:00:00.0
Facility name:	ESALON
Facility address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAC002982059
Contact:	SACHI SOSNA
Contact address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	424-290-5877
Contact email:	JOECHEMIST@HOTMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SACHI SOSNA
Owner/operator address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	424-290-5877
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SACHI SOSNA
Owner/operator address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	424-290-5877
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

ESALON (Continued) **1024762197**

Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

F46 **ESALON.COM, LLC** **CA CERS HAZ WASTE** **S121019879**
North **1910 E MAPLE AVE** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.053 mi. **CA HWTS**
279 ft. **Site 3 of 3 in cluster F**

Relative: **Lower**
Actual: **116 ft.**

CERS HAZ WASTE:
Name: ESALON.COM, LLC
Address: 1910 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 427076
CERS ID: 10743559
CERS Description: Hazardous Waste Generator

HAZNET:
Name: MARSHALL ELECTRONICS INC
Address: 1910 E MAPLE AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245
Contact: OBDULIO ARELLANOS
Telephone: 3103330606
Mailing Name: Not reported
Mailing Address: 1910 E MAPLE AVE

Year: 2016
Gepaid: CAL000411694
TSD EPA ID: MXC130619001
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H020 - Solvents Recovery
Tons: 0.0105

Year: 2016
Gepaid: CAL000411694

ESALON.COM, LLC (Continued) **S121019879**

TSD EPA ID:	MXC130619001
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H123 - Settling Or Clarification
Tons:	0.021

CERS:

Name:	ESALON.COM, LLC
Address:	1910 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	427076
CERS ID:	10743559
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-28-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility has not generated any hazardous waste at the time of the inspection. e-salon was advised of hazardous waste requirements for proper management.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-28-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility is in the process of moving in and no hazardous materials were on site at the time of the inspection.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	427076
Facility Name:	eSalon.com, LLC
Env Int Type Code:	HMBP
Program ID:	10743559
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.926390
Longitude:	-118.395150

Affiliation:

Affiliation Type Desc:	Property Owner
Entity Name:	The Rader Company
Entity Title:	Not reported
Affiliation Address:	828 W Hillcrest Blvd # A
Affiliation City:	Inglewood
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90301
Affiliation Phone:	(310) 337-7075

ESALON.COM, LLC (Continued) **S121019879**

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Environmental Contact
Entity Name:	Rabih Zaouk
Entity Title:	Not reported
Affiliation Address:	1910 E Maple Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Jeffrey Lewis
Entity Title:	R&D Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Francisco Gimenez
Entity Title:	Not reported
Affiliation Address:	1910 E Maple Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 945-4688

Affiliation Type Desc:	Operator
Entity Name:	eSalon.com, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 945-4688

Affiliation Type Desc:	Document Preparer
Entity Name:	Jeffrey Lewis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

ESALON.COM, LLC (Continued) **S121019879**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1910 E Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: eSalon.com, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: MARSHALL ELECTRONICS INC
Address: 1910 E MAPLE AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAL000411694
Inactive Date: 06/30/2016
Create Date: 10/28/2015
Last Act Date: 01/12/2017
Mailing Name: Not reported
Mailing Address: 1910 E MAPLE AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: EL SEGUNDO, CA 90245
Owner Name: MARSHALL ELECTRONICS INC
Owner Address: 1910 E MAPLE AVE
Owner Address 2: Not reported
Owner City,State,Zip: EL SEGUNDO, CA 90245
Contact Name: OBDULIO ARELLANOS
Contact Address: 1910 E MAPLE AVE
Contact Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245

NAICS:
EPA ID: CAL000411694
Create Date: 2015-10-28 11:30:52
NAICS Code: 45411
NAICS Description: Electronic Shopping and Mail-Order Houses
Issued EPA ID Date: 2015-10-28 11:30:52
Inactive Date: 2016-06-30 00:00:00
Facility Name: MARSHALL ELECTRONICS INC
Facility Address: 1910 E MAPLE AVE
Facility Address 2: Not reported
Facility City: EL SEGUNDO

ESALON.COM, LLC (Continued) **S121019879**

Facility County: 19
Facility State: CA
Facility Zip: 90245

Name: MARSHALL ELECTRONICS INC
Address: 1910 E MAPLE AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAL000410592
Inactive Date: 10/28/2015
Create Date: 09/24/2015
Last Act Date: 10/28/2015
Mailing Name: Not reported
Mailing Address: 1910 E MAPLE AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: EL SEGUNDO, CA 90245
Owner Name: MARSHALL ELECTRONICS INC
Owner Address: 1910 E MAPLE AVE
Owner Address 2: Not reported
Owner City,State,Zip: EL SEGUNDO, CA 90245
Contact Name: OBDULIO ARELLANOS
Contact Address: 1910 E MAPLE AVE
Contact Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245

NAICS:
EPA ID: CAL000410592
Create Date: 2015-09-24 11:24:09
NAICS Code: 45411
NAICS Description: Electronic Shopping and Mail-Order Houses
Issued EPA ID Date: 2015-09-24 11:24:09
Inactive Date: 2015-10-28 00:00:00
Facility Name: MARSHALL ELECTRONICS INC
Facility Address: 1910 E MAPLE AVE
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 90245

C47 **TRI-CLEANERS** **EDR Hist Cleaner** **1020108295**
SSW **630 SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.054 mi.
284 ft. **Site 15 of 16 in cluster C**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
126 ft. 1993 TRI-CLEANERS Drycleaning Plants, Except Rugs

C48 **TRI-CLEANERS** **EDR Hist Cleaner** **1018842686**
SSW **630 SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.054 mi.
284 ft. **Site 16 of 16 in cluster C**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
126 ft. 1991 TRI-CLEANERS Garment Pressing And Cleaners' Agents
1992 TRI-CLEANERS Garment Pressing And Cleaners' Agents

E49 **EQUINIX OPERATING CENTER** **CA AST** **A100323698**
NNE **1920 E. MAPLE AVENUE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.064 mi.
339 ft. **Site 2 of 12 in cluster E**

Relative: AST:
Lower

Actual:
110 ft.

Name:	EQUINIX OPERATING CENTER
Address:	1920 E. MAPLE AVENUE
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo
Owner:	EQUINIX
Total Gallons:	33,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

E50 **EQUINIX LLC** **CA CERS HAZ WASTE** **S121759740**
NNE **1920 E MAPLE AVE** **CA CERS TANKS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.064 mi.
339 ft. **Site 3 of 12 in cluster E**

Relative:
Lower

Actual:
110 ft.

CERS HAZ WASTE:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Underground Storage Tank

Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Aboveground Petroleum Storage

CERS:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-07-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 04/25/2018. Owner/Operator did not retain a copy of the permit to operate at the facility. Retain a copy of the permit to operate at the facility.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-08-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/19/2018. Facility does not have a CUPA

EQUINIX LLC (Continued) **S121759740**

Permit to Operate for the Hazardous Waste Generator Program. Facility shall pay the 2018-2019 CUPA fees for the Hazardous Waste Generator Program.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description: Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes: Returned to compliance on 12/13/2017. Dispose of fluorescent tubes and lamps and submit a copy of the manifest/receipt to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-08-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 01/19/2018. The UST piping upgrade has not been submitted into CERS and the tanks are identified as be carpentalizedd, they are separate tanks. Submit and/or maintain a complete and/or accurate UST Operating Permit Application, including for permit renewal.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Returned to compliance on 12/13/2017. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the

EQUINIX LLC (Continued) **S121759740**

designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .

Violation Notes: Returned to compliance on 12/13/2017. Properly label universal waste [Identfy] and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 49 CFR 1 172.201(e) - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172.201(e)
Violation Description: Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous materials definition in accordance with DOT 49 CFR parts 171-180.
Violation Notes: Returned to compliance on 12/13/2017. Noted fluorescent tubes and lamps Submit documentation to the CUPA demonstrating that all universal waste noted above have been properly packaged, labeled, marked, placarded, or prepared and retain shipping papers.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a DTSC registered hazardous waste transporter to transport hazardous waste or transporting hazardous waste without being a DTSC registered hazardous waste transporter.
Violation Notes: Ensure all hazardous waste is transported by a DTSC registered hazardous waste transporter and submit a statement to the CUPA indicating this will be how all hazardous waste will be transported in the future.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description: Failure to prepare a Uniform Hazardous Waste Manifest and, if

EQUINIX LLC (Continued) **S121759740**

	necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 12/13/2017. Provide a copy of a prepared manifest for hazardous waste to the CUPA or complete an unmanifest load report to the DTSC and submit copy to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 23 66273.31(a) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.31(a)
Violation Description:	Failure of the universal waste handler to transfer universal waste to the appropriate destination facility.
Violation Notes:	Returned to compliance on 12/13/2017. Noted fluorescent tubes and lamps. Ensure that all univeral wastes are transferred to an appropriate distination facility and properly disposed. Submit documentation to the CUPA indicating that all universal waste has been transfered to an appropriate destination facility.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-08-2018
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	APSA Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 11/08/2018. Secondary containment 4" wall was observed with open gap on concrete structure. Facility shall patch concrete to eliminate hole on secondary containment.
Violation Division:	El Segundo City Fire Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 12/13/2017. White container holding contaminated diesel. Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549

EQUINIX LLC (Continued) **S121759740**

Site Name:	Equinix LLC
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 04/25/2018. Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). DO must provide training to all building engineers.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/13/2017. White plastic container with waste diesel and diesel contaminated debris not labeled. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	03-19-2019
Citation:	23 CCR 16 2666(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(f)
Violation Description:	Failure of the functional line leak detector (LLD) to monitor at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping or triggers a visual and audible alarm.
Violation Notes:	Returned to compliance on 05/23/2019. Owner/Operator did not install or failed to ensure that a functional LLD was installed on underground piping connected to emergency generator tank system which monitors at least hourly with the capability of detecting a release of 3.0 gph leak at 10 psi and restricts or shuts off the flow of product through the piping, or triggers a visual and audible alarm. UST #1 has been upgraded to meet the LLD requirements. UST #2 has not been upgraded to meet LLD requirements. Repair or install LLD on underground piping connected to emergency generator tank system, for UST #2, which meets the requirements listed above.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

EQUINIX LLC (Continued) **S121759740**

Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	03-08-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 01/19/2018. The Monitoring Plan is not current in CERS. Maintain an Approved Monitoring Plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	03-07-2018
Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 04/25/2018. Owner/Operator did not maintain a list of employees trained by the DO. DO must provide training to all building engineers. Documentation must be current and kept in UST binder.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description:	Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes:	Returned to compliance on 12/13/2017. Contact the DTSC to make necessary corrections to the manifests and submit a copy to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 12/13/2017. Dispose of hazardous waste and submit a copy of the manifest to the CUPA.
Violation Division:	El Segundo City Fire Department

EQUINIX LLC (Continued) **S121759740**

Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes: Returned to compliance on 12/13/2017. Submit a copy of the inspection log to the CUPA demonstrating that the hazardous waste storage area is being inspected weekly.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed air pressure test and soap test for repairs to secondary containment piping. Passed tests
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected exposed secondary piping. Contractor found mechanical damage to secondary piping due to steel stakes left in back fill at system installation.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Witnessed air pressure test for secondary piping and soap test at repairs to secondary piping. Test results ok.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

EQUINIX LLC (Continued) **S121759740**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected site. Concrete poured in hole, violation corrected.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	THIS IS A NOTICE OF VIOLATION. THIS FACILITY HAS 30 DAYS TO COMPLY WITH THE FOLLOWING CORRECTIVE ITEMS: 1. SUBMIT HAZARDOUS WASTE MANIFEST TO THIS CUPA 2. LABEL UNIVERSAL WASTE CONTAINERS 3. SUBMIT HAZARDOUS WASTE INSPECTION LOGS TO THIS CUPA 4. KEEP ALL HAZARDOUS WASTE CONTAINERS CLOSED
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	03-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witness monitoring system certification and secondary containment testing for tank top and piping replacement.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST

EQUINIX LLC (Continued) **S121759740**

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-23-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness the testing of the LLD for UST #2. LLD passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-08-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspected site. Hole filled in with concrete, violation corrected.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Emergency Generators are supplied by two USTs; UST#1 and UST#2. Both USTs have pressurized underground piping and are required to have LLD. A UST Permit To Repair has been approved for installation of LLDs to both UST#1 and UST#2. The LLD has been installed on UST#1 and annual testing of the LLD on UST#1 was observed; LLD on UST#1 passed test. The LLD on UST#2 has not been installed as of the date of this inspection. Facility shall submit to the ESFD a written plan with estimated completion date for installation of the LLD on UST#2 within 60 days of this inspection report.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

EQUINIX LLC (Continued) **S121759740**

Eval Date:	11-08-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-26-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness the replacement and testing of two flapper valves (Overfill Prevention Equipment), one for each tank. Both flapper valves passed testing.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-30-2017

EQUINIX LLC (Continued) **S121759740**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: POST INSTALLATION SB 989 TEST PERFORMED BY TODD REX FROM TMR ENVIRONMENTAL - ALL CERTS CURRENT ALL COMPONENTS OF THIS UST SYSTEM PASSED FUNCTUNALITY TESTING - NO VIOLATIONS NOTED
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Coordinates:
Site ID: 28549
Facility Name: Equinix LLC
Env Int Type Code: HWG
Program ID: 10128355
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.926079
Longitude: -118.394119

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Identification Signer
Entity Name: Johnny Lopez
Entity Title: Manager, Facilities Operations
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: 1920 E Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 445 N Douglas St
Affiliation City: El Segundo
Affiliation State: CA

EQUINIX LLC (Continued) **S121759740**

Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: UST Tank Owner
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: 1920 E. Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: Property Owner
Entity Name: TRT NOIP MAPLE EL SEGUNDO LP Dividend Capital Diversified Property Fund
Entity Title: Not reported
Affiliation Address: 518 17th Street, 17th Floor
Affiliation City: Denver
Affiliation State: CO
Affiliation Country: United States
Affiliation Zip: 80202
Affiliation Phone: (303) 285-0371

Affiliation Type Desc: Document Preparer
Entity Name: Sujanitha Sambasivan
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Sujanitha Sambasivan
Entity Title: Not reported
Affiliation Address: One Lagoon Drive, 4th Floor
Affiliation City: Redwood City
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94065
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Equinix LLC

EQUINIX LLC (Continued) **S121759740**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Johnny V Lopez
Entity Title:	Manager, Facility Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 524-4502
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Equinix Operating Co, Inc.
Entity Title:	Not reported
Affiliation Address:	One Lagoon Drive, 4th Floor
Affiliation City:	Redwood City
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94065
Affiliation Phone:	(650) 598-6000
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Equinix LLC
Entity Title:	Not reported
Affiliation Address:	1920 E. Maple Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-4500

E51 **EQUINIX COMMUNICATIONS** **CA LUST** **S119777458**
NNE **1920 MAPLE AVE E** **CA CERS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 4 of 12 in cluster E**

Relative: LUST:
Lower

Actual: Name:	EQUINIX COMMUNICATIONS
110 ft. Address:	1920 MAPLE AVE E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010173
Global Id:	T10000010173
Latitude:	33.92604
Longitude:	-118.39406
Status:	Completed - Case Closed
Status Date:	04/24/2018
Case Worker:	JC

EQUINIX COMMUNICATIONS (Continued) **S119777458**

RB Case Number: R-10916A
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T10000010173
Contact Type: Regional Board Caseworker
Contact Name: JOSHUA CWIKLA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: LOS ANGELES
Email: joshua.cwikla@waterboards.ca.gov
Phone Number: 2135766713

LUST:
Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 03/08/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 02/23/2017
Action: Referral to Regional Board

Global Id: T10000010173
Action Type: RESPONSE
Date: 12/17/2017
Action: Soil and Water Investigation Report

Global Id: T10000010173
Action Type: RESPONSE
Date: 05/11/2017
Action: Other Report / Document

Global Id: T10000010173
Action Type: RESPONSE
Date: 09/27/2017
Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 12/12/2017
Action: Request for Closure - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 05/11/2017
Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 04/06/2017

EQUINIX COMMUNICATIONS (Continued) **S119777458**

Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 07/31/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 04/11/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: Other
Date: 03/26/2008
Action: Leak Discovery

Global Id: T10000010173
Action Type: REMEDIATION
Date: 11/01/2016
Action: Excavation

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 04/24/2018
Action: Closure/No Further Action Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 10/04/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 06/08/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 08/08/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 01/26/2018
Action: Notification - Preclosure

Global Id: T10000010173
Action Type: Other
Date: 02/23/2017
Action: Leak Reported

Global Id: T10000010173
Action Type: Other
Date: 02/23/2017
Action: Leak Began

EQUINIX COMMUNICATIONS (Continued) **S119777458**

LUST:
Global Id: T10000010173
Status: Open - Case Begin Date
Status Date: 02/23/2017

Global Id: T10000010173
Status: Open - Site Assessment
Status Date: 02/28/2017

Global Id: T10000010173
Status: Pending Review
Status Date: 02/28/2017

Global Id: T10000010173
Status: Completed - Case Closed
Status Date: 04/24/2018

CERS:
Name: EQUINIX COMMUNICATIONS
Address: 1920 MAPLE AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 419127
CERS ID: T10000010173
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOSHUA CWIKLA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766713

E52 **EQUINIX LLC** **CA UST** **U004066682**
NNE **1920 E MAPLE AVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 5 of 12 in cluster E**

Relative:
Lower

Actual:
110 ft.

UST:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 37.271881
Longitude: -119.270233

EL SEGUNDO UST:
Name: EQUINIX, INC
Address: 1920 E. MAPLE AVE.
City: EL SEGUNDO

EQUINIX LLC (Continued) **U004066682**

Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Other generator fuel
CERT Number:	Not reported
Permit Number:	30-0394
Tank Number:	000001
Tank Status:	New Permit
Tank Content:	Diesel
Other Contents:	Not reported
Active:	New Permit
Date Inspected:	08/12/2008
Tank Number:	000001
Tank Status:	New Permit
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	New Permit
Date Inspected:	Not reported
Tank Number:	000002
Tank Status:	New Permit
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported
Active:	New Permit
Date Inspected:	Not reported
Tank Number:	000002
Tank Status:	New Permit
Tank Content:	Diesel
Other Contents:	Not reported
Active:	New Permit
Date Inspected:	08/12/2008
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Open Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

E53
NNE
< 1/8
0.064 mi.
339 ft.

EQUINIX LLC
1920 E MAPLE AVE
EL SEGUNDO, CA 90245

Site 6 of 12 in cluster E

CA AST **A100419800**
N/A

Relative:
Lower

Actual:
110 ft.

AST:

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Equinix LLC
Total Gallons:	Not reported
CERSID:	10128355
Facility ID:	Not reported
Business Name:	Equinix LLC
Phone:	(310) 524-4500
Fax:	(310) 524-4550
Mailing Address:	445 N Douglas St
Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Equinix LLC
Operator Phone:	(310) 524-4500
Owner Phone:	(310) 524-4500
Owner Mail Address:	1920 E Maple Ave
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	TRT NOIP MAPLE EL SEGUNDO LP Dividend Capital Diversified Property Fund
Property Owner Phone:	(303) 285-0371
Property Owner Mailing Address:	518 17th Street, 17th Floor
Property Owner City:	Denver
Property Owner Stat :	CO
Property Owner Zip Code:	80202
Property Owner Country:	United States
EPAID:	CAL000315207

E54
NNE
< 1/8
0.064 mi.
339 ft.

HUGNES AIRCRAFT CO ELECTRO-OP
1920 E MAPLE AVE
EL SEGUNDO, CA 90245

Site 7 of 12 in cluster E

CA HIST UST **S113145849**
CA HAZNET **N/A**
CA HWTS

Relative:
Lower

Actual:
110 ft.

HIST UST:

Name:	HUGNES AIRCRAFT CO ELECTRO-OP
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00026EAE
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EAE.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

HUGNES AIRCRAFT CO ELECTRO-OP (Continued) **S113145849**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902453411
Contact:	SUJANITHA SAMBASIVAN
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	ONE LAGOON DRIVE
Year:	2016
Gepaid:	CAL000315207
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Year:	2016
Gepaid:	CAL000315207
TSD EPA ID:	CAD028409019
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.221
Year:	2011
Gepaid:	CAL000315207
TSD EPA ID:	CAT080014079
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Year:	2008
Gepaid:	CAL000315207
TSD EPA ID:	CAD028409019
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Year:	2008
Gepaid:	CAL000315207
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture

HUGNES AIRCRAFT CO ELECTRO-OP (Continued) **S113145849**

Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	8.5

Additional Info:

Year:	2011
Gen EPA ID:	CAL000315207
Shipment Date:	20110914
Creation Date:	12/9/2011 18:30:13
Receipt Date:	20110926
Manifest ID:	008484861JJK
Trans EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDF EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000315207
Shipment Date:	20080326
Creation Date:	7/2/2008 18:30:07
Receipt Date:	20080328
Manifest ID:	000272673JJK
Trans EPA ID:	CAD082699562
Trans Name:	NRC ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200

HUGNES AIRCRAFT CO ELECTRO-OP (Continued) **S113145849**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080326
Creation Date:	7/2/2008 18:30:07
Receipt Date:	20080327
Manifest ID:	000475446JJK
Trans EPA ID:	CAD082699562
Trans Name:	NRC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	8.5
Waste Quantity:	2500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902453411
EPA ID:	CAL000315207
Inactive Date:	Not reported
Create Date:	01/09/2007
Last Act Date:	08/22/2019
Mailing Name:	Not reported
Mailing Address:	ONE LAGOON DRIVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	REDWOOD CITY, CA 940650000
Owner Name:	EQUINIX LLC
Owner Address:	ONE LAGOON DRIVE
Owner Address 2:	ATTN: SUJANITHA SAMBASIVAN
Owner City,State,Zip:	REDWOOD CITY, CA 940650000
Contact Name:	SUJANITHA SAMBASIVAN
Contact Address:	ONE LAGOON DRIVE
Contact Address 2:	Not reported
City,State,Zip:	REDWOOD CITY, CA 940650000

NAICS:

EPA ID:	CAL000315207
Create Date:	2007-01-09 16:43:27

HUGNES AIRCRAFT CO ELECTRO-OP (Continued) **S113145849**

NAICS Code:	51334
NAICS Description:	Satellite Telecommunications
Issued EPA ID Date:	2007-01-09 16:43:26
Inactive Date:	Not reported
Facility Name:	EQUINIX LLC
Facility Address:	1920 E MAPLE AVE
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	902453411
EPA ID:	CAL000315207
Create Date:	2011-10-26 15:19:37
NAICS Code:	51421
NAICS Description:	Data Processing Services
Issued EPA ID Date:	2007-01-09 16:43:26
Inactive Date:	Not reported
Facility Name:	EQUINIX LLC
Facility Address:	1920 E MAPLE AVE
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	902453411

E55 **EQUINIX LLC** **RCRA NonGen / NLR** **1024815824**
NNE **1920 E MAPLE AVE** **CAL000315207**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 8 of 12 in cluster E**

Relative:
Lower

Actual:
110 ft.

RCRA NonGen / NLR:

Date form received by agency:	2007-01-09 00:00:00.0
Facility name:	EQUINIX LLC
Facility address:	1920 E MAPLE AVE EL SEGUNDO, CA 90245-3411
EPA ID:	CAL000315207
Mailing address:	ONE LAGOON DRIVE REDWOOD CITY, CA 94065-0000
Contact:	SUJANITHA SAMBASIVAN
Contact address:	ONE LAGOON DRIVE REDWOOD CITY, CA 94065-0000
Contact country:	Not reported
Contact telephone:	650-598-6344
Contact email:	SSAMBASIVAN@EQUINIX.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	EQUINIX LLC
Owner/operator address:	ONE LAGOON DRIVE ATTN: SUJANITHA SAMBASIVAN REDWOOD CITY, CA 94065
Owner/operator country:	Not reported
Owner/operator telephone:	650-598-6344

EQUINIX LLC (Continued) **1024815824**

Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	SUJANITHA SAMBASIVAN
Owner/operator address:	ONE LAGOON DRIVE REDWOOD CITY, CA 94065
Owner/operator country:	Not reported
Owner/operator telephone:	650-598-6344
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

E56 **EXODUS COMMUNICATIONS** **RCRA-SQG** **1025879498**
NNE **1920 E MAPLE AVE** **CAP000092171**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 9 of 12 in cluster E**

Relative:
Lower

Actual:
110 ft.

RCRA-SQG:

Date form received by agency:	2001-02-21 00:00:00.0
Facility name:	EXODUS COMMUNICATIONS
Facility address:	1920 E MAPLE AVE EL SEGUNDO, CA 90245
EPA ID:	CAP000092171
Contact:	MONICA HARLEY
Contact address:	200 N NASH ST EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-955-3670
Contact email:	Not reported

EXODUS COMMUNICATIONS (Continued) **1025879498**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MAPLE ST LLC NEXUS PROPERTY
Owner/operator address: 4350 LA JOLLA VILLAGE DR STE 9
SAN DIEGO, CA 92122
Owner/operator country: Not reported
Owner/operator telephone: 858-587-2100
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

E57 **HUGHES AIRCRAFT CO EDSG** **CA SWEEPS UST** **S102058270**
NNE **1920 E MAPLE AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 10 of 12 in cluster E**

Relative: SWEEPS UST:
Lower Name: HUGHES AIRCRAFT CO - EDSG
Actual: Address: 1920 E MAPLE AVE
110 ft. City: EL SEGUNDO
Status: Active

HUGHES AIRCRAFT CO EDSG (Continued) **S102058270**

Comp Number: 10916
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010916-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: HUGHES AIRCRAFT CO - EDSG
Address: 1920 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 10916
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010916-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO - EDSG
Address: 1920 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 10916
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010916-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HUGHES AIRCRAFT CO EDSG (Continued) **S102058270**

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO EDSG
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010937-010916
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00002380T
Permit Status: Closed

E58 **EQUINIX LLC** **RCRA-SQG** **1000241003**
NNE **1920 E MAPLE AVE** **CA HIST UST** **CAD981398209**
< 1/8 **EL SEGUNDO, CA 90245** **FINDS**
0.064 mi. **ECHO**
339 ft. **Site 11 of 12 in cluster E**

Relative:
Lower

Actual:
110 ft.

RCRA-SQG:
Date form received by agency: 1997-12-18 00:00:00.0
Facility name: RAYTHEON SYSTEMS CO
Facility address: 1920 E MAPLE ST
EL SEGUNDO, CA 90245
EPA ID: CAD981398209
Contact: DEAN RICHARDSON
Contact address: P O BOX 92426 R2 V557
LOS ANGELES, CA 90009-2426
Contact country: US
Contact telephone: 310-334-7385
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON CO
Owner/operator address: 141 SPRING ST
LEXINGTON, MA 02173
Owner/operator country: Not reported
Owner/operator telephone: 781-860-2590
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

EQUINIX LLC (Continued) **1000241003**

Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1986-04-22 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HIST UST:
Name: HUGHES AIRCRAFT CO. ELECTRO-OP
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported

EQUINIX LLC (Continued) **1000241003**

Region:	STATE
Facility ID:	00000029297
Facility Type:	Other
Other Type:	ELECTRONICS
Contact Name:	Not reported
Telephone:	2136165871
Owner Name:	HUGHES AIRCRAFT CO..
Owner Address:	2100 E. EL SEGUNDO BLVD.
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0003

Tank Num:	001
Container Num:	E41-T3
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	E41-T2
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	E41-T1
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

FINDS:

Registry ID:	110002693595
Facility URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002693595

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID:	110055766292
Facility URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055766292

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

EQUINIX LLC (Continued) **1000241003**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000241003
Registry ID:	110055766292
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055766292
Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245

Envid:	1000241003
Registry ID:	110002693595
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002693595
Name:	RAYTHEON SYSTEMS CO
Address:	1920 E MAPLE ST
City,State,Zip:	EL SEGUNDO, CA 90245

E59 **A100 US, LLC-LAX 51** **RCRA-VSQG** **1023966833**
NNE **1920 E MAPLE AVE** **CAR000275388**
< 1/8 **EL SEGUNDO, CA 90245**
0.064 mi.
339 ft. **Site 12 of 12 in cluster E**

Relative: **Lower**

Actual: **110 ft.**

RCRA-VSQG:

Date form received by agency:	2017-08-23 00:00:00.0
Facility name:	A100 US, LLC-LAX 51
Facility address:	1920 E MAPLE AVE EL SEGUNDO, CA 90245
EPA ID:	CAR000275388
Mailing address:	TERRY AVE N SEATTLE, WA 98109
Contact:	CODY DILL
Contact address:	CROSBY CT DUBLIN, OH 43016
Contact country:	US
Contact telephone:	614-495-1287
Contact email:	CODYDILL@AMAZON.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

A100 US, LLC-LAX 51 (Continued) **1023966833**

hazardous waste

Owner/Operator Summary:

Owner/operator name:	EQUNIX INC
Owner/operator address:	E MAPLE AVE EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2004-11-17 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	A100 US, LLC
Owner/operator address:	TERRY AVE SEATTLE, WA 98109
Owner/operator country:	US
Owner/operator telephone:	614-495-1287
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2014-11-10 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

. Waste code:	181
. Waste name:	Other inorganic solid waste

. Waste code:	211
. Waste name:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code:	212

A100 US, LLC-LAX 51 (Continued) **1023966833**

. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 291
. Waste name: Latex waste

. Waste code: 511
. Waste name: Empty pesticide containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

A100 US, LLC-LAX 51 (Continued) **1023966833**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

G60 **HUGHES** **CA SWEEPS UST** **S106927428**
SE **1921 MARIPOSA AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.070 mi.
371 ft. **Site 1 of 4 in cluster G**

Relative: **Lower**

Actual: **112 ft.**

SWEEPS UST:

Name:	HUGHES
Address:	1921 MARIPOSA AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	10311
Number:	9
Board Of Equalization:	44-008812
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010311-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	2

Name:	HUGHES
Address:	1921 MARIPOSA AVE
City:	EL SEGUNDO

HUGHES (Continued) **S106927428**

Status:	Active
Comp Number:	10311
Number:	9
Board Of Equalization:	44-008812
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010311-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

G61 **XPO LOGISTICS SUPPLY CHAIN** **CA CERS HAZ WASTE** **S121788975**
SE **1921 EAST MARIPOSA AVE** **CA NPDES** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CIWQS**
0.070 mi. **CA CERS**
371 ft. **Site 2 of 4 in cluster G**

Relative:
Lower

Actual:
112 ft.

CERS HAZ WASTE:

Name:	RAYTHEON COMPANY- R24
Address:	1921 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	60615
CERS ID:	10131688
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	497999
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC004198
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/08/2018
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1921 East Mariposa Ave
Discharge Name:	XPO Logistics Supply Chain
Discharge City:	El Segudo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC004198
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/08/2018
Operator Name:	XPO Logistics Supply Chain
Operator Address:	1921 East Mariposa Ave
Operator City:	El Segudo
Operator State:	California
Operator Zip:	90245

CIWQS:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	XPO Logistics Supply Chain
Agency Address:	1921 East Mariposa Ave, El Segudo, CA 90245
Place/Project Type:	Industrial - General Warehousing and Storage
SIC/NAICS:	4225
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC004198
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/08/2018
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.924271
Longitude:	-118.393855

CERS:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	547080
CERS ID:	864344
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	XPO Logistics Supply Chain
Entity Title:	Operator
Affiliation Address:	1921 East Mariposa Ave
Affiliation City:	El Segudo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	441165
CERS ID:	10768069
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	441165
Site Name:	XPO Logistics Supply Chain
Violation Date:	11-19-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/28/2018. Facility failed to obtain a hazardous materials CUPA permit while handling, using and or storing reportable quantities of hazardous materials (lead, sulfuric acid gel) at the site within 30 days this site will obtain a CUPA permit and pay any associated penalties for non compliance with regulatory agency
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	this facility failed to obtain a CUPA permit.
Eval Division:	El Segundo City Fire Department

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 441165
Facility Name: XPO Logistics Supply Chain
Env Int Type Code: HMBP
Program ID: 10768069
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.924260
Longitude: -118.394120

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Brian Killian
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Regina DiLavore
Entity Title: Not reported
Affiliation Address: 4043 Piedmont Parkway
Affiliation City: High Point
Affiliation State: NC
Affiliation Country: Not reported
Affiliation Zip: 27265
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Brian Killian
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: XPO Logistics
Entity Title: Not reported
Affiliation Address: 1921 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 334-3829

Affiliation Type Desc: Operator
Entity Name: XPO Logistics

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(336) 604-4170
Affiliation Type Desc:	Parent Corporation
Entity Name:	XPO Logistics
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1921 East Mariposa Ave
Affiliation City:	El Segudo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Name:	RAYTHEON COMPANY- R24
Address:	1921 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	60615
CERS ID:	10131688
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	60615
Site Name:	Raytheon Company- R24
Violation Date:	09-27-2019
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 10/22/2019. hazardous waste area weekly inspection log was not available during inspection. Facility needs to provide last 4 copies of weekly hazardous waste inspection logs to the UPA within 30 days.

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: E-waste merged with Hazardous Waste
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Jayalakshmi Manju Mohan
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Suzelle Moss
Entity Title: Director of Environmental Health & Safety

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jayalakshmi Manju Mohan
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N131
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Operator
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Parent Corporation
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G62 **RAYTHEON SYSTEMS COMPANY** **CA UST** **U003949031**
SE **1921 E. MARIPOSA AVE.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.070 mi.
371 ft. **Site 3 of 4 in cluster G**

Relative: UST:
Lower
Actual: Name: RAYTHEON SYSTEMS COMPANY
112 ft. Address: 1921 E. MARIPOSA AVE.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300122
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.925617
Longitude: -118.392772

EL SEGUNDO UST:
Name: RAYTHEON COMPANY
Address: 1921 E. MARIPOSA AVE. BLDG. R-24
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: Not reported
Permit Number: 30-0122

Tank Number: 000001
Tank Status: UST Removal
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Permanent Facility Closure
Date Inspected: Not reported

Tank Number: 000002
Tank Status: UST Removal
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Permanent Facility Closure
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

G63 **RAYTHEON** **RCRA NonGen / NLR** **1024795750**
SE **1917-21 E MARIPOSA AVE** **CAL000170201**
< 1/8 **EL SEGUNDO, CA 90245**
0.070 mi.
372 ft. **Site 4 of 4 in cluster G**

Relative: RCRA NonGen / NLR:
Lower Date form received by agency: 1998-01-22 00:00:00.0
Actual: Facility name: RAYTHEON
113 ft. Facility address: 1917-21 E MARIPOSA AVE
EL SEGUNDO, CA 90245-0000
EPA ID: CAL000170201

RAYTHEON (Continued) **1024795750**

Mailing address: 2000 E EL SEGUNDO BLVD
EO E4 N131
EL SEGUNDO, CA 90245-4501
Contact: MANJU MOHAN
Contact address: 2000 E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: 870 WINTER ST
WALTHAM, MA 02451
Owner/operator country: Not reported
Owner/operator telephone: 781-769-3991
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MANJU MOHAN
Owner/operator address: 2000 E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-647-1204
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

RAYTHEON (Continued) **1024795750**

Violation Status: No violations found

H64 **HUGHES AIRCRAFT CO** **CA SWEEPS UST** **S102056622**
East **607 LAIRPORT ST** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.100 mi.
528 ft. **Site 1 of 6 in cluster H**

Relative: **Lower**
Actual: **108 ft.**

SWEEPS UST:

Name:	HUGHES AIRCRAFT
Address:	607 LAIRPORT ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	10262
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	HUGHES AIRCRAFT CO
Address:	607 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	Not reported
Facility Id:	010367-010262
Facility Type:	Not reported
Facility Status:	Closed
Area:	2N
Permit Number:	Not reported
Permit Status:	Not reported

H65 **POPKLIN REALTY** **CA UST** **U004261156**
East **607 LAIRPORT STREET** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.100 mi.
528 ft. **Site 2 of 6 in cluster H**

Relative: **Lower**
Actual: **108 ft.**

EL SEGUNDO UST:

Name:	POPKLIN REALTY
Address:	607 LAIRPORT STREET
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported

POPKLIN REALTY (Continued) **U004261156**

Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

I66 **HUGHES AIRCRAFT/GILBERT** **CA ENVIROSTOR S111842201**
NNW **800 N. SEPULVEDA BLVD.** **CA VCP N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.105 mi.
555 ft. **Site 1 of 3 in cluster I**

Relative: **Higher**

Actual: **121 ft.**

ENVIROSTOR:

Name:	HUGHES AIRCRAFT/GILBERT
Address:	800 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19370368
Status:	No Further Action
Status Date:	10/09/1996
Site Code:	300599
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92666
Longitude:	-118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Alias Type: Project Code (Site Code)
Alias Name: 19370368
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/09/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/1996
Comments: A VCP agreement was signed to submit and review a modified PEA.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: HUGHES AIRCRAFT/GILBERT
Address: 800 N. SEPULVEDA BLVD.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19370368
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.2
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Site Code: 300599
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 10/09/1996
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92666 / -118.3963
APN: 4138-005-028
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: 10003, 10009
Confirmed COC: NONE SPECIFIED
Potential Description: SV, IA

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996
Comments:	A VCP agreement was signed to submit and review a modified PEA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

I67 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102056903**
NNW **800 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.105 mi.
555 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
121 ft.

SWEEPS UST:

Name:	HUGHES AIRCRAFT/ C/O DON BRUSS
Address:	800 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	13533
Number:	Not reported
Board Of Equalization:	44-010180
Referral Date:	Not reported
Action Date:	Not reported

HUGHES AIRCRAFT CO SCG (Continued) **S102056903**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013533-000001
Tank Status: Not reported
Capacity: 100
Active Date: Not reported
Tank Use: HAZARDOUS
STG: WASTE
Content: Not reported
Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 800 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013222-013533
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005160T
Permit Status: Closed

I68 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261121**
NNW **800 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.105 mi.
555 ft. **Site 3 of 3 in cluster I**

Relative: **Higher**
Actual: **121 ft.**

EL SEGUNDO UST:
Name: HUGHES SPACE & COMMUNICATIONS
Address: 800 N. SEPULVEDA BL.
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

J69 **FRITO LAY INC EL SEGUNDO** **RCRA-SQG** **1000415310**
NE **1924 EAST MAPLE** **CAD981661572**
< 1/8 **EL SEGUNDO, CA 90245**
0.105 mi.
557 ft. **Site 1 of 5 in cluster J**

Relative:
Lower

Actual:
109 ft.

RCRA-SQG:

Date form received by agency:	1986-10-06 00:00:00.0
Facility name:	FRITO LAY INC EL SEGUNDO
Facility address:	1924 EAST MAPLE EL SEGUNDO, CA 90245
EPA ID:	CAD981661572
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1924 EAST MAPLE EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	213-678-3464
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRITO LAY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

FRITO LAY INC EL SEGUNDO (Continued) **1000415310**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

K70 **OVERTON MOORE & ASSOCIATES** **CA SWEEPS UST** **S102056516**
SSW **540 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
561 ft. **Site 1 of 3 in cluster K**

Relative:
Higher

Actual:
132 ft.

SWEEPS UST:

Name:	OVERTON MOORE & ASSOCIATES
Address:	540 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9105
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	OVERTON MOORE & ASSOCIATES
Address:	540 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	Not reported
Facility Id:	009304-009105
Facility Type:	Not reported
Facility Status:	Closed
Area:	2N
Permit Number:	Not reported
Permit Status:	Not reported

K71 **THE HERTZ CORPORATION** **CA HIST UST** **U001563027**
SSW **540 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
561 ft. **Site 2 of 3 in cluster K**

Relative: **Higher**
Actual: **132 ft.**

HIST UST:

Name:	THE HERTZ CORPORATION
Address:	540 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00028B96
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028B96.pdf
Region:	STATE
Facility ID:	00000005367
Facility Type:	Other
Other Type:	RENT A CAR
Contact Name:	H. WOXBERG
Telephone:	2133226167
Owner Name:	THE HERTZ CORPORATION
Owner Address:	540 N. SEPULVEDA BLVD
Owner City,St,Zip:	EL SEGUNDO, CA 90245
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

L72 **THE BOEING CO** **RCRA-LQG** **1001967650**
ESE **601-603 LAIRPORT ST** **CAR000071589**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
562 ft. **Site 1 of 3 in cluster L**

Relative: **Lower**
Actual: **108 ft.**

RCRA-LQG:

Date form received by agency:	2018-02-20 00:00:00.0
Facility name:	THE BOEING CO
Facility address:	601-603 LAIRPORT ST EL SEGUNDO, CA 90245-0000
EPA ID:	CAR000071589
Mailing address:	PO BOX 92919 W/S25/D581 LOS ANGELES, CA 90009
Contact:	JERROD NEWLANDER
Contact address:	PO BOX 92919 W/S25/D581 LOS ANGELES, CA 90009

THE BOEING CO (Continued) **1001967650**

Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: BOEING SATELLITE SYSTEMS INC
Owner/operator address: P O BOX 92919
LOS ANGELES, CA 90009
Owner/operator country: Not reported
Owner/operator telephone: 310-416-2241
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

THE BOEING CO (Continued) **1001967650**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001

THE BOEING CO (Continued) **1001967650**

. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

L73 **TRIO MANUFACTURING INC** **CA CERS HAZ WASTE** **S113114614**
ESE **601 LAIRPORT ST** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.106 mi. **CA HWTS**
562 ft. **Site 2 of 3 in cluster L**

Relative: **Lower**

Actual: **108 ft.**

CERS HAZ WASTE:
Name: TRIO MANUFACTURING
Address: 601 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 163509
CERS ID: 10155099
CERS Description: Hazardous Waste Generator

Name: TRIO MANUFACTURING
Address: 601 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 163509
CERS ID: 10155099
CERS Description: Hazardous Waste Onsite Treatment

HAZNET:
Name: TRIO MANUFACTURING INC
Address: 601 LAIRPORT ST

TRIO MANUFACTURING INC (Continued) **S113114614**

Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
Contact:	GEORGE ZAMORA
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Year:	2017
Gepaid:	CAL000229764
TSD EPA ID:	CAT080013352
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	6.8805
Year:	2016
Gepaid:	CAL000229764
TSD EPA ID:	CAT080013352
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	8.0481
Year:	2015
Gepaid:	CAL000229764
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	9.7578
Year:	2015
Gepaid:	CAL000229764
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38
Year:	2014
Gepaid:	CAL000229764
TSD EPA ID:	CAD099452708
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	5.94225
Year:	2014
Gepaid:	CAL000229764
TSD EPA ID:	CAD099452708
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.285
Year:	2013
Gepaid:	CAL000229764

TRIO MANUFACTURING INC (Continued) **S113114614**

TSD EPA ID: CAD099452708
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 4.52445

Year: 2013
Gepaid: CAL000229764
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.09

Year: 2012
Gepaid: CAL000229764
TSD EPA ID: CAD981696420
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 6.255

Year: 2011
Gepaid: CAL000229764
TSD EPA ID: CAD981696420
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.8348

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2011
Gen EPA ID: CAL000229764

Shipment Date: 20110722
Creation Date: 9/1/2011 18:31:36
Receipt Date: 20110726
Manifest ID: 001438153GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD981696420
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.8348
Waste Quantity: 440
Quantity Unit: G

TRIO MANUFACTURING INC (Continued) **S113114614**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000229764
Shipment Date:	20151006
Creation Date:	12/21/2015 22:15:08
Receipt Date:	20151008
Manifest ID:	004926653FLE
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150721
Creation Date:	10/5/2015 22:15:16
Receipt Date:	20150721
Manifest ID:	002576628GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150721
Creation Date:	10/5/2015 22:15:27
Receipt Date:	20150722
Manifest ID:	002576627GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.1283
Waste Quantity:	990
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150324
Creation Date:	6/25/2015 22:15:51
Receipt Date:	20150324
Manifest ID:	002576060GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000229764

TRIO MANUFACTURING INC (Continued) **S113114614**

Shipment Date:	20171017
Creation Date:	6/13/2018 18:30:46
Receipt Date:	20171017
Manifest ID:	009719610FLE
Trans EPA ID:	CAL000264806
Trans Name:	EXPRESS OIL CO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170605
Creation Date:	6/13/2018 18:31:03
Receipt Date:	20170606
Manifest ID:	009718910FLE
Trans EPA ID:	CAL000264806
Trans Name:	EXPRESS OIL CO
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.7955
Waste Quantity:	1150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000229764

Shipment Date:	20080930
Creation Date:	11/3/2008 18:30:32
Receipt Date:	20080930

TRIO MANUFACTURING INC (Continued) **S113114614**

Manifest ID: 000798936GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 3.135
Waste Quantity: 825
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000229764

Shipment Date: 20141201
Creation Date: 3/3/2015 22:15:07
Receipt Date: 20141202
Manifest ID: 002575593GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 2.502
Waste Quantity: 600
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20140917
Creation Date: 12/18/2014 22:14:48
Receipt Date: 20140918
Manifest ID: 002575275GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC

TRIO MANUFACTURING INC (Continued) **S113114614**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140411
Creation Date:	7/12/2014 22:15:07
Receipt Date:	20140412
Manifest ID:	002186233GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.285
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140411
Creation Date:	7/1/2014 22:15:08
Receipt Date:	20140412
Manifest ID:	002186234GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste

TRIO MANUFACTURING INC (Continued) **S113114614**

RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.14675
Waste Quantity: 275
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000229764

Shipment Date: 20151006
Creation Date: 12/21/2015 22:15:08
Receipt Date: 20151008
Manifest ID: 004926653FLE
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 3.336
Waste Quantity: 800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150721
Creation Date: 10/5/2015 22:15:16
Receipt Date: 20150721
Manifest ID: 002576628GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

TRIO MANUFACTURING INC (Continued) **S113114614**

Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150721
Creation Date:	10/5/2015 22:15:27
Receipt Date:	20150722
Manifest ID:	002576627GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.1283
Waste Quantity:	990
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150324
Creation Date:	6/25/2015 22:15:51
Receipt Date:	20150324
Manifest ID:	002576060GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Additional Code 5: Not reported

Additional Info:
Year: 2013
Gen EPA ID: CAL000229764

Shipment Date: 20130905
Creation Date: 11/4/2013 22:15:04
Receipt Date: 20130905
Manifest ID: 002185277GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.152
Waste Quantity: 40
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130830
Creation Date: 10/31/2013 22:15:06
Receipt Date: 20130830
Manifest ID: 002185252GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 2.23095
Waste Quantity: 535
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130121

TRIO MANUFACTURING INC (Continued) **S113114614**

Creation Date:	3/19/2013 22:15:10
Receipt Date:	20130121
Manifest ID:	001882967GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.938
Waste Quantity:	510
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130117
Creation Date:	3/15/2013 22:15:27
Receipt Date:	20130118
Manifest ID:	001882941GBF
Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000229764

Shipment Date:	20120116
Creation Date:	3/27/2012 20:30:14
Receipt Date:	20120117
Manifest ID:	001667843GBF

TRIO MANUFACTURING INC (Continued) **S113114614**

Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD981696420
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 6.255
Waste Quantity: 1500
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAL000229764

Shipment Date: 20100512
Creation Date: 8/6/2010 18:31:37
Receipt Date: 20100512
Manifest ID: 001294912GBF
Trans EPA ID: CAD982488470
Trans Name: SWIFT OIL & VACUUM INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD981696420
Trans Name: EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 4.39935
Waste Quantity: 1055
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: TRIO MANUFACTURING
Address: 601 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 163509
CERS ID: 10155099

TRIO MANUFACTURING INC (Continued) **S113114614**

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 01/20/2018. The facility was storing used oil for more than 180 days in November of 2016 and June of 2017. This violation was also documented in the December 3, 2012 inspection. Trio Manufacturing is a small quantity generator and is allowed to store hazardous waste for 180 days. The facility shall ensure that hazardous waste is not stored for more than 180 days.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017
Citation: HSC 6.5 25201.5(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(c)
Violation Description: Failure of the generator treating hazardous wastes to comply with the requirements of the conditional exemption applicable to the treatment process.
Violation Notes: Returned to compliance on 01/20/2018. The hazardous waste in the treatment unit has been there for over one year per the label on the unit. No treatment has been conducted within the last year. The facility has not been treating waste within the 180 days allowed to store the waste before treating it. Please provide documentation on the treating of this waste.
Violation Division: El Segundo City Fire Department
Violation Program: CE
Violation Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017
Citation: HSC 6.5 25250.7 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.7
Violation Description: Failure to prevent intentional contamination of used oil with other hazardous waste other than minimal amounts of vehicle fuel.
Violation Notes: Returned to compliance on 01/20/2018. The facility had been adding the spent mineral spirits to the used oil The facility shall not contaminate the used oils with spent cleaning solvents from the parts washer.
Violation Division: El Segundo City Fire Department
Violation Program: HW

TRIO MANUFACTURING INC (Continued) **S113114614**

Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 01/20/2018. The waste storage area did not have any emergency response equipment including a fire extinguisher. The facility shall provide the Hazardous Waste Storage Area with the materials needed in the event of an emergency. Please provide documentation of the materials that have been added to the area.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	12-03-2012
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 07/16/2013. AEO issued in July for the failure to comply with requirement.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 02/02/2018. The facility is polishing high grade metals and allowing the waste to blow outside the building. This material shall be collected and tested to determine the waste status of the material. The facility shall run a CAM-17 TTLC for toxic metals using a State Certified Laboratory on the polishing dust from metal polishing. Please send a copy of the test results to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS

TRIO MANUFACTURING INC (Continued) **S113114614**

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 01/15/2018. The facility has not provided training to the employees to the point where they understand what the requirements are. Rafael de La Brana had received training for hazardous waste management, but did not understand the material in the class. George Zamora was not aware of the requirements for the hazardous wastes that were being generated at the site. The facility shall provide training to employees who handle hazardous waste such that they understand the requirements and can properly handle the Waste. The facility is a SQG and shall have adequate training for the employees who are managing hazardous waste. Please provide documentation of the training to the ESFD.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 06-28-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/09/2016.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description: Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Violation Notes: Returned to compliance on 01/20/2018. The facility was storing other materials in the Hazardous Waste Storage Area and did not provide access to the containers. The Hazardous Waste Storage Area shall be provided with aisle space that would allow access during an emergency or during the weekly inspections.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Violation Date: 11-16-2017

TRIO MANUFACTURING INC (Continued) **S113114614**

Citation:	HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description:	Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes:	Returned to compliance on 01/20/2018. In April of 2015, Trio Mfg. disposed of 5 yards of EDM filters to an Arizona TSDF for proper management. The facility has not disposed of any filters since that date and there was not filters being stored at the time of the inspection. George Zamora was not aware what happened to the filters, possible municipal trash. The facility shall properly manage the used EDM filters as a hazardous waste. The sludge in the filters is a hazardous waste for copper. The facility shall not add waste solvents to the used oil and manage the waste separately.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description:	Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was not aware that the generator was required to send a copy of the manifest to the DTSC after the transporter picks up the waste. Copies were not being sent to the DTSC. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 12/02/2017. The facility had not been conducting the weekly inspections since 2016 and started again in October of 2017. The facility has a good checklist, just needs to complete them. The facility shall inspect all hazardous waste containers on a weekly basis for emergencies and storage compliance.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(d)(6) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)(6)
Violation Description:	Failure of the generator to prepare and maintain onsite, for a period of three years, the following: (1) adequate records to demonstrate

TRIO MANUFACTURING INC (Continued) **S113114614**

	compliance with all applicable pretreatment standards and discharge requirements issued by the agency operating the POTW; (2) records of the dates, concentrations, amounts, and types of waste treated; and (3) written operating instructions.
Violation Notes:	Returned to compliance on 01/20/2018. The facility had not records for the treatment unit for the last three years. Begin maintaining records for hazardous waste treatment and ensure that they are kept onsite for three years. Submit copies of these records to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/20/2018. The facility did not have the labels filled out with the required information and accumulation dates. This applies to the containers for the used oil and the waste solids. Submit a statement to the CUPA demonstrating that the containers have been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was missing the final copy for 5 manifests that were shipped in 2015 and 2016. The facility shall keep the final copy signed by the TSDF for all shipments of hazardous waste. Provide documentation for all missing manifests to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	12-03-2012
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

TRIO MANUFACTURING INC (Continued) **S113114614**

Violation Notes:	Returned to compliance on 07/16/2013. No manifests available for more than 1 year.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(d)(5) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)(5)
Violation Description:	Failure to prepare, implement, and maintain onsite, for three years at the facility, a treatment system inspection program and log of inspections conducted.
Violation Notes:	Returned to compliance on 01/20/2018. The facility ad not records for the past three years. Begin maintaining records for scheduling and logging inspections for the hazardous waste treatment system and ensure that they are kept onsite for three years. Submit copies of these records and inspections to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	06-28-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 11/09/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(d) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)
Violation Description:	Failure of the generator to remove or decontaminate all waste residues, containment system components, soils and other structures or equipment contaminated with hazardous waste and provide written notification of all closure activities at the closure of the treatment unit.
Violation Notes:	Returned to compliance on 03/12/2018. George Zamora stated that they did not plan on using the treatment unit in the future and have not used it in the last year. Trio Manufacturing shall properly close out the unit if they no longer wish to treat hazardous waste and notify the CUPA of the closure of the permit.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-28-2016
Violations Found:	Yes

TRIO MANUFACTURING INC (Continued) **S113114614**

Eval Type: Routine done by local agency
Eval Notes: Facility shall remove items from disclosure that are under 55 gal.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: CE
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-03-2012
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Conducted joint inspection with LA County Sanitation in regard to complaint of illegal dumping of oil into men’s room floor drain.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-03-2012
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Complaint Inspection of discharging waste cutting and lubricating oil into sewer from men’s room drain.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-03-2012
Violations Found: No
Eval Type: Other, not routine, done by local agency

TRIO MANUFACTURING INC (Continued) **S113114614**

Eval Notes: Chemical inventory includes cutting oils and lubricants
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 01-25-2018
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $8,500.00. Consent Order for hazardous waste and Tiered Permit violations.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 05-19-2014
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $3,315.00. SEPs Value: $720.00.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 05-19-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Fines/Penalties Assessed: $3,315.00. SEPs Value: $720.00. Trio Mfg. was issued an AEO for the failure to comply with several Notice of Violations and a compliant made in November of 2012.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 06-23-2014
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $4,065.00. SEPs Value: $720.00. Hazardous

TRIO MANUFACTURING INC (Continued) **S113114614**

Waste Storage Beyond 180 Days for SQG and Illegal Treatment.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:
Site ID: 163509
Facility Name: trio manufacturing
Env Int Type Code: HWG
Program ID: 10155099
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.924187
Longitude: -118.393166

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 601 Lairport St
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Michael Hunkins
Entity Title: Not reported
Affiliation Address: 601 Lairport St
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 640-6123

Affiliation Type Desc: Operator
Entity Name: Trio Manufacturing
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 640-6123

Affiliation Type Desc: Document Preparer
Entity Name: GEORGE ZAMORA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Trio Manufacturing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Heily Nesen Universus
Entity Title:	Not reported
Affiliation Address:	1357 Madrone Lane
Affiliation City:	San Luis Obispo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93401
Affiliation Phone:	(805) 545-8584

Affiliation Type Desc:	Environmental Contact
Entity Name:	George Zamora
Entity Title:	Not reported
Affiliation Address:	601 Lairport St
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	DAVID MAIJALA
Entity Title:	Director of Quality
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Identification Signer
Entity Name:	George Zamora
Entity Title:	Quality Assurance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: TRIO MANUFACTURING INC
Address: 601 LAIRPORT ST
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902450000
EPA ID: CAL000229764
Inactive Date: Not reported
Create Date: 08/15/2001
Last Act Date: 09/04/2019
Mailing Name: Not reported
Mailing Address: 601 LAIRPORT ST
Mailing Address 2: Not reported
Mailing City,State,Zip: EL SEGUNDO, CA 902450000
Owner Name: TRIO MANUFACTURING INC
Owner Address: 601 LAIRPORT ST
Owner Address 2: Not reported
Owner City,State,Zip: EL SEGUNDO, CA 902450000
Contact Name: MIGUEL ROUILLON
Contact Address: 601 LAIRPORT ST
Contact Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245

NAICS:
EPA ID: CAL000229764
Create Date: 2007-04-30 10:33:02
NAICS Code: 333999
NAICS Description: All Other Miscellaneous General Purpose Machinery Manufacturing
Issued EPA ID Date: 2001-08-15 00:00:00
Inactive Date: Not reported
Facility Name: TRIO MANUFACTURING INC
Facility Address: 601 LAIRPORT ST
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 902450000

L74 **TRIO MANUFACTURING INC** **RCRA NonGen / NLR** **1024801357**
ESE **601 LAIRPORT ST** **CAL000229764**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
562 ft. **Site 3 of 3 in cluster L**

Relative:
Lower

Actual:
108 ft.

RCRA NonGen / NLR:
Date form received by agency: 2001-08-15 00:00:00.0
Facility name: TRIO MANUFACTURING INC
Facility address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245-0000
EPA ID: CAL000229764
Contact: GEORGE ZAMORA
Contact address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Contact country: Not reported

TRIO MANUFACTURING INC (Continued) **1024801357**

Contact telephone: 310-640-6123
Contact email: GEORGE.ZAMORA@TRIOMFG.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TRIO MANUFACTURING INC
Owner/operator address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-640-6123
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE ZAMORA
Owner/operator address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-640-6123
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

K75 **OVERTON MOORE & ASSOCIATES** **CA UST** **U004261151**
SSW **541 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.116 mi.
612 ft. **Site 3 of 3 in cluster K**

Relative: **Higher**
Actual: **124 ft.**

EL SEGUNDO UST:

Name:	OVERTON MOORE & ASSOCIATES
Address:	541 N. SEPULVEDA BL.
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

H76 **RCRA NonGen / NLR** **1025868734**
East **610 LAIRPORT ST** **CAL000382104**
< 1/8 **EL SEGUNDO, CA 90245**
0.125 mi.
659 ft. **Site 3 of 6 in cluster H**

Relative: **Lower**
Actual: **107 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2013-01-31 00:00:00.0
Facility name:	Not reported
Facility address:	610 LAIRPORT ST EL SEGUNDO, CA 90245
EPA ID:	CAL000382104
Contact:	MARISOL RIOS
Contact address:	610 LAIRPORT ST EL SEGUNDO, CA 90245-0000
Contact country:	Not reported
Contact telephone:	310-909-0950
Contact email:	MARISOLR@THEADM.ORG
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MARISOL RIOS
Owner/operator address:	610 LAIRPORT ST EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-909-0950
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	AUTOMOBILE DRIVING MUSEUM

(Continued) **1025868734**

Owner/operator address: 610 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-909-0950
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H77 **BLACKMORE & ASSOCIATES/ WIN INVESTMENTS, LP** **CA UST** **U004261080**
East **700 LAIRPORT STREET** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.125 mi.
659 ft. **Site 4 of 6 in cluster H**

Relative: EL SEGUNDO UST:
Lower
Name: BLACKMORE & ASSOCIATES/ WIN INVESTMENTS, LP
Actual: Address: 700 LAIRPORT STREET
108 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

H78 **BLACKMORE ASSOCIATES** **CA LUST** **S102056743**
East **700 LAIRPORT ST** **CA CERS HAZ WASTE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA SWEEPS UST**
0.125 mi. **CA LOS ANGELES CO. HMS**
659 ft. **Site 5 of 6 in cluster H** **CA CERS**

Relative: **Lower**

Actual: **108 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-11949	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705083	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/19/1986	
Date Leak First Reported:		6/19/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	6/19/1986	
Date Leak Stopped:	6/19/1986	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BROWN, MIKE	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2119.714190401390709716255708 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLACKMORE ASSOCIATES	
RP Address:	700 LAIRPORT STREET, EL SEGUNDO, CA	
Program:	LUST	
Lat/Long:	33.9050879 / -1	
Local Agency Staff:	SHT	

BLACKMORE ASSOCIATES (Continued) **S102056743**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705083
Global Id: T0603705083
Latitude: 33.9050879
Longitude: -118.3867277
Status: Completed - Case Closed
Status Date: 07/26/2006
Case Worker: SHT
RB Case Number: R-11949
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705083
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705083
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Discovery

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Stopped

BLACKMORE ASSOCIATES (Continued) **S102056743**

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Reported

LUST:
Global Id: T0603705083
Status: Open - Case Begin Date
Status Date: 06/19/1986

Global Id: T0603705083
Status: Open - Site Assessment
Status Date: 06/19/1986

Global Id: T0603705083
Status: Completed - Case Closed
Status Date: 07/26/2006

CERS HAZ WASTE:
Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: BLACKMORE ASS
Address: 700 LAIRPORT ST
City: EL SEGUNDO
Status: Active
Comp Number: 11949
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 011881-011949

BLACKMORE ASSOCIATES (Continued) **S102056743**

Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000182656
Permit Status: Closed

CERS:
Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 11-14-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 12/19/2019. The business failed to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. The facility shall update the Primary and Secondary Emergency Contact information in the business plan. The Secondary Emergency Contact is currently listing someone that is not in the local area. The Primary Emergency Contact does not currently include a 24-hour number. Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 10-17-2017
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Returned to compliance on 11/03/2017. The facility was not aware of the requirement for the generator to send a copy to the DTSC. No copies of the manifest were being sent to the State. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 11-14-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all

BLACKMORE ASSOCIATES (Continued) **S102056743**

	required content.
Violation Notes:	Returned to compliance on 12/18/2019. The business failed to complete and electronically submit a site map with all required content including: Main electrical emergency shut off, and hazardous materials/waste storage areas (for cylinders and Instapak Materials) Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	364694
Site Name:	Keysight Technologies, Inc.
Violation Date:	11-14-2019
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 11/14/2019. Title 22, 66261.7 , < 5-gallon containers with residual amounts of used oil were observed in storage area. The facility shall properly manage empty containers by completely emptying container of used oil and sending picture of empty container to ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	364694
Site Name:	Keysight Technologies, Inc.
Violation Date:	11-14-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/18/2019. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The facility was observed with higher amounts of the following hazardous materials than are currently reported: Liquid Nitrogen (~3400 ft3), Nitrogen Gas (~1575 ft3), and Carbon Dioxide (~3400 ft3). Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	364694
Site Name:	Keysight Technologies, Inc.
Violation Date:	11-14-2019
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G

BLACKMORE ASSOCIATES (Continued) **S102056743**

	Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .
Violation Notes:	Returned to compliance on 11/21/2019. Owner/Operator failed to properly label universal waste for Universal Waste - Batteries container. Properly label universal waste Batteries and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	364694
Site Name:	Keysight Technologies, Inc.
Violation Date:	10-17-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 11/03/2017. The facility did not have a final copy of manifest 001083854VES used to transport waste oil to Veolia. Locate a copy of all manifests for [001083854VES] and submit copies to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility was advised to manage non-empty aerosol cans as universal waste.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-09-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Noted: Nitorgen, Helium, Argon, and waste oil. This facility has 30

BLACKMORE ASSOCIATES (Continued) **S102056743**

days to fix the following corrective items. 1. Number of employees is not included on business owner/operator page. 2. Waste oil shall be added to disclosure. 3. This facility shall remove isopropanol and instapak molding foam from disclosure.

Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 364694
Facility Name: Keysight Technologies, Inc.
Env Int Type Code: HWG
Program ID: 10660756
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.907100
Longitude: -118.380500

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 700 Lairport Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Keysight Technologies, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Keysight Technologies
Entity Title: Not reported
Affiliation Address: 700 Lairport Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245

BLACKMORE ASSOCIATES (Continued) **S102056743**

Affiliation Phone:	(310) 643-0438
Affiliation Type Desc:	Operator
Entity Name:	Keysight Technologies
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 643-0438
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Rick Miller
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Rick Miller
Entity Title:	Not reported
Affiliation Address:	5301 Stevens Creek Boulevard Mail Stop #4ATC
Affiliation City:	Santa Clara
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95051
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Glenn Gaza
Entity Title:	Site Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Name:	BLACKMORE ASSOCIATES
Address:	700 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	238830

BLACKMORE ASSOCIATES (Continued) **S102056743**

CERS ID: T0603705083
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

H79 **KEYSIGHT TECHNOLOGIES INC** **RCRA NonGen / NLR** **1024868460**
East **700 LAIRPORT ST** **CAL000437065**
< 1/8 **EL SEGUNDO, CA 90245**
0.125 mi.
659 ft. **Site 6 of 6 in cluster H**

Relative: RCRA NonGen / NLR:
Lower Date form received by agency: 2018-06-20 00:00:00.0
Actual: Facility name: KEYSIGHT TECHNOLOGIES INC
108 ft. Facility address: 700 LAIRPORT ST
EL SEGUNDO, CA 90245
EPA ID: CAL000437065
Contact: GLENN GAZA
Contact address: 700 LAIRPORT ST
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-643-0438
Contact email: GLENN.GAZA@KEYSIGHT.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: KEYSIGHT TECHNOLOGIES INC
Owner/operator address: 1400 FOUNTAINGROVE PKWY
SANTA ROSA, CA 95403
Owner/operator country: Not reported
Owner/operator telephone: 707-577-5030
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner

KEYSIGHT TECHNOLOGIES INC (Continued) **1024868460**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GLENN GAZA
Owner/operator address: 700 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-643-0438
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

M80 **CALIBER COLLISION CENTERS** **RCRA NonGen / NLR** **1024874608**
ENE **760 LAIRPORT ST** **CAL000443264**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.128 mi.
674 ft. **Site 1 of 6 in cluster M**

Relative: **Lower**

Actual: **110 ft.**

RCRA NonGen / NLR:
Date form received by agency: 2019-02-07 00:00:00.0
Facility name: CALIBER COLLISION CENTERS
Facility address: 760 LAIRPORT ST
EL SEGUNDO, CA 90245
EPA ID: CAL000443264
Mailing address: 401 E CORPORATE DR SUITE 150
LEWISVILLE, TX 75057
Contact: SHARON LAWRENCE
Contact address: 401 E CORPORATE DR SUITE 150
LEWISVILLE, TX 75057
Contact country: Not reported
Contact telephone: 469-948-9500
Contact email: LICENSEANDPERMITS@CALIBERCOLLISION.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

CALIBER COLLISION CENTERS (Continued) **1024874608**

Owner/Operator Summary:
- Owner/operator name: SHARON LAWRENCE
- Owner/operator address: 401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
- Owner/operator country: Not reported
- Owner/operator telephone: 469-948-9500
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Other
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: CALIBER BODYWORKS INC
- Owner/operator address: 401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
- Owner/operator country: Not reported
- Owner/operator telephone: 469-948-9500
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Other
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: Yes
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

M81 **COOKS COLLISION AN ABRA COMPANY ELSE** **RCRA NonGen / NLR** **1024871183**
ENE **760 LAIRPORT STREET** **CAL000439827**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.128 mi.
674 ft. **Site 2 of 6 in cluster M**

Relative: **Lower**
Actual: **110 ft.**

RCRA NonGen / NLR:
- Date form received by agency: 2018-10-15 00:00:00.0
- Facility name: COOKS COLLISION AN ABRA COMPANY ELSE
- Facility address: 760 LAIRPORT STREET EL SEGUNDO, CA 90245
- EPA ID: CAL000439827

COOKS COLLISION AN ABRA COMPANY ELSE (Continued) **1024871183**

Contact:	CHRIS ROSE
Contact address:	760 LAIRPORT STREET WESTLAKE VILLAGE, CA 90245
Contact country:	Not reported
Contact telephone:	707-249-0468
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CHRIS ROSE
Owner/operator address:	760 LAIRPORT STREET WESTLAKE VILLAGE, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	707-249-0468
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ABRA AUTO BODY & GLASS LP
Owner/operator address:	7225 NORTHLAND DR #210 BROOKLYN PARK, MN 55428
Owner/operator country:	Not reported
Owner/operator telephone:	715-210-3792
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

M82 **COOKS COLLISION OF EL SEGUNDO** **RCRA NonGen / NLR** **1024834041**
ENE **760 LAIRPORT ST** **CAL000373971**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.128 mi.
674 ft. **Site 3 of 6 in cluster M**

Relative:
Lower

Actual:
110 ft.

RCRA NonGen / NLR:

Date form received by agency:	2012-04-25 00:00:00.0
Facility name:	COOKS COLLISION OF EL SEGUNDO
Facility address:	760 LAIRPORT ST EL SEGUNDO, CA 90245
EPA ID:	CAL000373971
Mailing address:	2990 LAVA RIDGE CT STE 200 ROSEVILLE, CA 95661-0000
Contact:	COURTNEY MORGAN-VOYCE
Contact address:	2990 LAVA RIDGE COURT, SUITE 200 ROSEVILLE, CA 95661
Contact country:	Not reported
Contact telephone:	916-719-4193
Contact email:	CMORGAN-VOYCE@COOKSCOLLISION.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	COOKS COLLISION INC
Owner/operator address:	2990 LAVA RIDGE COURT STE 200 ROSEVILLE, CA 95661
Owner/operator country:	Not reported
Owner/operator telephone:	916-786-2943
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	COURTNEY MORGAN-VOYCE
Owner/operator address:	2990 LAVA RIDGE COURT, SUITE 200 ROSEVILLE, CA 95661
Owner/operator country:	Not reported
Owner/operator telephone:	916-719-4193
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

COOKS COLLISION OF EL SEGUNDO (Continued) **1024834041**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

M83 **L A X AUTOBODY** **CA CERS HAZ WASTE S113057373**
ENE **760 LAIRPORT ST** **CA EMI N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.128 mi. **CA CERS**
674 ft. **Site 4 of 6 in cluster M** **CA HWTS**

Relative: **Lower**
Actual: **110 ft.**

CERS HAZ WASTE:

Name:	CALIBER BODYWORKS INC. DBA CALIBER COLLISION CENTERS - EL SEGUNDO
Address:	760 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	21605
CERS ID:	10138047
CERS Description:	Hazardous Waste Generator

EMI:

Name:	COOKS COLLISION OF EL SEGUNDO
Address:	760 LAIRPORT
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	172446
Air District Name:	SC
SIC Code:	7539
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.37084773936
Reactive Organic Gases Tons/Yr:	0.35858
Carbon Monoxide Emissions Tons/Yr:	0.00857
NOX - Oxides of Nitrogen Tons/Yr:	0.03185
SOX - Oxides of Sulphur Tons/Yr:	0.00014
Particulate Matter Tons/Yr:	0.00797
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0076328

Name:	COOKS COLLISION OF EL SEGUNDO
Address:	760 LAIRPORT
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	172446
Air District Name:	SC
SIC Code:	7539
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

L A X AUTOBODY (Continued) **S113057373**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4751686371
Reactive Organic Gases Tons/Yr:	0.460131
Carbon Monoxide Emissions Tons/Yr:	0.000653
NOX - Oxides of Nitrogen Tons/Yr:	0.00243
SOX - Oxides of Sulphur Tons/Yr:	1.12e-005
Particulate Matter Tons/Yr:	0.011377
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01092052

Name:	COOKS COLLISION OF EL SEGUNDO
Address:	760 LAIRPORT
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	172446
Air District Name:	SC
SIC Code:	7539
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03942908298
Reactive Organic Gases Tons/Yr:	0.037821
Carbon Monoxide Emissions Tons/Yr:	0.00403
NOX - Oxides of Nitrogen Tons/Yr:	0.01
SOX - Oxides of Sulphur Tons/Yr:	6.91e-005
Particulate Matter Tons/Yr:	0.0017878
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001707658

HAZNET:

Name:	L A X AUTOBODY
Address:	760 LAIRPORT ST
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
Contact:	ANATOLY PRIMAK
Telephone:	3106400755
Mailing Name:	Not reported
Mailing Address:	760 LAIRPORT ST

Year:	1996
Gepaid:	CAL000093446
TSD EPA ID:	CAT000613893
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.28

Year:	1995
Gepaid:	CAL000093446
TSD EPA ID:	CAT000613893
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.336

Year:	1994
Gepaid:	CAL000093446
TSD EPA ID:	CAT000613893
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

L A X AUTOBODY (Continued) **S113057373**

Disposal Method: H01 - Transfer Station
Tons: 0.112

Additional Info:
Year: 1994
Gen EPA ID: CAL000093446

Shipment Date: 19941207
Creation Date: 10/19/1995 0:00:00
Receipt Date: 19941209
Manifest ID: 93458332
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.056
Waste Quantity: 112
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19941130
Creation Date: 10/19/1995 0:00:00
Receipt Date: 19941202
Manifest ID: 93458333
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.056
Waste Quantity: 112
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

L A X AUTOBODY (Continued) **S113057373**

Additional Info:

Year:	1995
Gen EPA ID:	CAL000093446
Shipment Date:	19951102
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951106
Manifest ID:	95768964
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950918
Creation Date:	4/3/1996 0:00:00
Receipt Date:	19950920
Manifest ID:	95564916
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950727
Creation Date:	11/15/1995 0:00:00
Receipt Date:	19950728
Manifest ID:	95636970
Trans EPA ID:	ILD984908202

L A X AUTOBODY (Continued) **S113057373**

Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.056
Waste Quantity: 112
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950707
Creation Date: 10/25/1995 0:00:00
Receipt Date: 19950710
Manifest ID: 93458304
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005
Disposal Method: H01 - Transfer Station
Quantity Tons: 0.056
Waste Quantity: 112
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19950627
Creation Date: 10/24/1995 0:00:00
Receipt Date: 19950629
Manifest ID: 93766897
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code: F005

L A X AUTOBODY (Continued) **S113057373**

Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950126
Creation Date:	10/20/1995 0:00:00
Receipt Date:	19950201
Manifest ID:	95051076
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000093446
Shipment Date:	19960307
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960308
Manifest ID:	96243361
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.224
Waste Quantity:	448
Quantity Unit:	P
Additional Code 1:	Not reported

L A X AUTOBODY (Continued) **S113057373**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960105
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19960110
Manifest ID:	95824234
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	F005
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.056
Waste Quantity:	112
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	CALIBER BODYWORKS INC. DBA CALIBER COLLISION CENTERS - EL SEGUNDO
Address:	760 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	21605
CERS ID:	10138047
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date:	01-15-2019
Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 01/29/2019. Universal Waste Fluorescent Light Bulbs located in the Universal Waste Accumulation Area was observed with an accumulation start date of 12/29/17. Dispose of Universal Waste Fluorescent Light Bulbs and submit a copy of the manifest/receipt to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo

L A X AUTOBODY (Continued) **S113057373**

Violation Date:	01-15-2019
Citation:	22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description:	Failure to meet the following conditions of satellite accumulation regulations: G Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. G Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. G The generator complies with section 66265.171, 66265.172, and 66265.173(a). G The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words G Hazardous WasteG including specified information G Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a G 90 dayG accumulation area G 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes:	Returned to compliance on 01/29/2019. Failure of the Owner/Operator to comply with one or more satellite accumulation requirements. Facility is exceeding the 55-gallon limit per waste stream of satellite accumulation for the bondo process. The facility currently holds 3 x 55-gallon drums of hazardous waste bondo dust/debris. Ensure that all hazardous wastes being accumulated pursuant to satellite accumulation meet all applicable requirements and submit documentation of compliance to the CUPA. Facility shall limit hazardous waste satellite accumulation not to exceed a single 55-gallon amount per waste stream.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date:	01-15-2019
Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 02/13/2019. Approximately three empty

L A X AUTOBODY (Continued) **S113057373**

5-gallon containers that previously held solvent were observed in the hazardous waste accumulation area without labels. Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 21605
Site Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date: 04-05-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 04/13/2016.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2007
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection with Joseph Hayes and Joseph Sand
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: There were three satellite accumulation containers observed during the inspection for the same process. Each container was assigned to an individual worker at the point of generation and all workers were in the same room, a violation of 22 CCR 12 66262.34(e)(2).
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

L A X AUTOBODY (Continued) **S113057373**

Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility shall add 2 drums to "waste paint related material" submittal.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-02-2012
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection conducted with Joe Sands in conjuction with stormwater inspectiion.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-07-2004
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Met with Jose Alvarez of Holmes Auto Body
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 21605
Site Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Site Address: 760 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-19-2019
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $1,000.00. State of California v. Cooks Collision Inc, State case final Judgement/injuntcion.

L A X AUTOBODY (Continued) **S113057373**

Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:
Site ID: 21605
Facility Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Env Int Type Code: HWG
Program ID: 10138047
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.926180
Longitude: -118.392700

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Legal Owner
Entity Name: Caliber Collision
Entity Title: Not reported
Affiliation Address: 2941 Lake Vista Dr
Affiliation City: Lewisville
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 75067
Affiliation Phone: (469) 948-9500

Affiliation Type Desc: Operator
Entity Name: Christine Abad
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (916) 305-8386

Affiliation Type Desc: Parent Corporation
Entity Name: Caliber Bodyworks Inc. dba Caliber Collision Centers California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact

L A X AUTOBODY (Continued) **S113057373**

Entity Name:	Christine Abad
Entity Title:	Not reported
Affiliation Address:	2018 Taylor Road
Affiliation City:	Roseville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95678
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	KPA LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	760 Lairport St
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Christine Abad
Entity Title:	Compliance Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	L A X AUTOBODY
Address:	760 LAIRPORT ST
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA ID:	CAL000093446
Inactive Date:	06/30/1998
Create Date:	11/28/1994
Last Act Date:	04/27/1999
Mailing Name:	Not reported
Mailing Address:	760 LAIRPORT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL SEGUNDO, CA 902455006
Owner Name:	ANATOLY PRIMAK
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --

L A X AUTOBODY (Continued) **S113057373**

Contact Name: ANATOLY PRIMAK
Contact Address: INACT PER 98VQ FINAL NOTICE
Contact Address 2: - BATCH 4/27
City,State,Zip: --, 99 --

M84 **COOKS COLLISION OF EL SEGUNDO** **RCRA-SQG** **1000985285**
ENE **760 LAIRPORT ST** **FINDS** **CA0001037894**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.128 mi.
674 ft. **Site 5 of 6 in cluster M**

Relative: **Lower**
Actual: **110 ft.**

RCRA-SQG:
Date form received by agency: 1999-01-27 00:00:00.0
Facility name: LAX AUTO BODY AND PAINT
Facility address: 760 LAIRPORT ST
EL SEGUNDO, CA 90245
EPA ID: CA0001037894
Contact: ARTHUR ANDERTON
Contact address: 760 LAIRPORT ST
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-640-0755
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HOLMES BODY SHOP
Owner/operator address: 1095 E COLORADO BLVD
PASADENA, CA 91106
Owner/operator country: Not reported
Owner/operator telephone: 626-795-6447
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

COOKS COLLISION OF EL SEGUNDO (Continued) **1000985285**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:
Registry ID: 110070539650
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110070539650

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110002624544
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002624544

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110055747973
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055747973

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

COOKS COLLISION OF EL SEGUNDO (Continued) **1000985285**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000985285
Registry ID:	110055747973
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055747973
Name:	COOKS COLLISION OF EL SEGUNDO
Address:	760 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245

Envid:	1000985285
Registry ID:	110002624544
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002624544
Name:	LAX AUTO BODY AND PAINT
Address:	760 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245

M85 **LG NANOH2O** **RCRA-LQG** **1015740053**
ENE **750 LAIRPORT** **CAL000348691**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.130 mi.
686 ft. **Site 6 of 6 in cluster M**

Relative: **Lower**

Actual: **109 ft.**

RCRA-LQG:

Date form received by agency:	2016-02-29 00:00:00.0
Facility name:	LG NANOH2O
Facility address:	750 LAIRPORT EL SEGUNDO, CA 90245
EPA ID:	CAL000348691
Mailing address:	HAWTHORNE BOULEVARD SUITE 330 TORRANCE, CA 90503
Contact:	ANDY HARRISON
Contact address:	HAWTHORNE BOULEVARD SUITE 330 TORRANCE, CA 90503
Contact country:	US
Contact telephone:	310-245-5550
Contact email:	AHARRISON@NANO2O.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

LG NANOH2O (Continued) **1015740053**

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LG NANOH2O, INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2014-04-29 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	LG NANOH2O, INC
Owner/operator address:	HAWTHORNE BOULEVARD SUITE 330
	TORRANCE, CA 90503
Owner/operator country:	US
Owner/operator telephone:	310-245-5550
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2014-04-29 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Yes
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2014-03-01 00:00:00.0
Site name:	NANOH2O
Classification:	Large Quantity Generator

Date form received by agency:	2012-10-31 00:00:00.0
Site name:	NANOH2O, INC.
Classification:	Large Quantity Generator

LG NANOH2O (Continued) **1015740053**

Hazardous Waste Summary:

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 321
. Waste name: Sewage sludge

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: K061
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001

LG NANOH2O (Continued) **1015740053**

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 86926

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 40

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 65728

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-09-25 00:00:00.0
Date achieved compliance: 2015-10-30 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2015-11-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 2015-09-25 00:00:00.0
Date achieved compliance: 2015-10-30 00:00:00.0
Violation lead agency: EPA

LG NANOH2O (Continued) **1015740053**

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2015-11-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-09-25 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - Pre-transport
Date achieved compliance: 2015-10-30 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-09-25 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 2015-10-30 00:00:00.0
Evaluation lead agency: EPA

J86 **ULTRA COLOR INC** **RCRA-SQG** **1000352406**
ENE **1926 EAST MAPLE** **FINDS** **CAD059215616**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.153 mi.
810 ft. **Site 2 of 5 in cluster J**

Relative: **Lower**
Actual: **109 ft.**

RCRA-SQG:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: ULTRA COLOR INC
Facility address: 1926 EAST MAPLE
EL SEGUNDO, CA 90245
EPA ID: CAD059215616
Mailing address: EAST MAPLE
EL SEGUNDO, CA 90245
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: COLOR TRON INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

ULTRA COLOR INC (Continued) **1000352406**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:
Registry ID: 110002651906
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002651906

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000352406
Registry ID: 110002651906
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002651906

ULTRA COLOR INC (Continued) **1000352406**

Name: ULTRA COLOR INC
Address: 1926 EAST MAPLE
City,State,Zip: EL SEGUNDO, CA 90245

J87 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102058283**
NE **1925 E MAPLE AVE** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.156 mi.
824 ft. **Site 3 of 5 in cluster J**

Relative: **Lower**
Actual: **108 ft.**

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1925 E MAPLE AVE
City: EL SEGUNDO
Status: Not reported
Comp Number: 13531
Number: Not reported
Board Of Equalization: 44-008026
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013531-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: HAZARDOUS
STG: WASTE
Content: Not reported
Number Of Tanks: 4

Name: HUGHES AIRCRAFT CO SCG
Address: 1925 E MAPLE AVE
City: EL SEGUNDO
Status: Not reported
Comp Number: 13531
Number: Not reported
Board Of Equalization: 44-008026
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013531-000002
Tank Status: Not reported
Capacity: 2530
Active Date: Not reported
Tank Use: HAZARDOUS
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO SCG
Address: 1925 E MAPLE AVE
City: EL SEGUNDO
Status: Not reported
Comp Number: 13531
Number: Not reported
Board Of Equalization: 44-008026

HUGHES AIRCRAFT CO SCG (Continued) **S102058283**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013531-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	HAZARDOUS
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO SCG
Address:	1925 E MAPLE AVE
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	13531
Number:	Not reported
Board Of Equalization:	44-008026
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013531-000004
Tank Status:	Not reported
Capacity:	2047
Active Date:	Not reported
Tank Use:	HAZARDOUS
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	HUGHES AIRCRAFT CO SCG
Address:	1925 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	013220-013531
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00005158T
Permit Status:	Closed

J88 **EX17-1925 MAPLE JV, LLC** **RCRA NonGen / NLR** **1024751897**
NE **1925 E. MAPLE AVE** **CAC002971694**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.156 mi.
824 ft. **Site 4 of 5 in cluster J**

Relative:
Lower

Actual:
108 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-07-19 00:00:00.0
Facility name:	EX17-1925 MAPLE JV, LLC
Facility address:	1925 E. MAPLE AVE EL SEGUNDO, CA 90245

EX17-1925 MAPLE JV, LLC (Continued) **1024751897**

EPA ID: CAC002971694
Mailing address: 1099 18TH ST #2900
DENVER, CO 90202
Contact: EX17-1925 MAPLE JV, LLC
Contact address: 1099 18TH ST #2900
DENVER, CO 90202
Contact country: Not reported
Contact telephone: 303-233-3345
Contact email: JANICE@ABSOLUTEABATEMENTINC.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EX17-1925 MAPLE JV, LLC
Owner/operator address: 1099 18TH ST #2900
DENVER, CO 90202
Owner/operator country: Not reported
Owner/operator telephone: 303-233-3345
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EX17-1925 MAPLE JV, LLC
Owner/operator address: 1099 18TH ST #2900
DENVER, CO 90202
Owner/operator country: Not reported
Owner/operator telephone: 303-233-3345
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

EX17-1925 MAPLE JV, LLC (Continued) **1024751897**

Violation Status: No violations found

J89 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261118**
NE **1925 E. MAPLE AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.156 mi.
824 ft. **Site 5 of 5 in cluster J**

Relative:
Lower

Actual:
108 ft.

EL SEGUNDO UST:

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	1925 E. MAPLE AVENUE
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

N90 **ZIEGLER, KEN** **RCRA NonGen / NLR** **1024770224**
NW **1625 E. MAPLE AVENUE** **CAC002990127**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
830 ft. **Site 1 of 2 in cluster N**

Relative:
Higher

Actual:
130 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-11-20 00:00:00.0
Facility name:	ZIEGLER, KEN
Facility address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAC002990127
Contact:	ZIEGLER, KEN
Contact address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-529-0553
Contact email:	ANDREWC@PWSEI.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-529-0553
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner

ZIEGLER, KEN (Continued) **1024770224**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ZIEGLER, KEN
Owner/operator address: 1625 E. MAPLE AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-529-0553
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

N91 **ZIEGLER, KEN** **RCRA NonGen / NLR** **1024771298**
NW **1625 E. MAPLE AVENUE** **CAC002991209**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
830 ft. **Site 2 of 2 in cluster N**

Relative:
Higher

Actual:
130 ft.

RCRA NonGen / NLR:
Date form received by agency: 2018-11-30 00:00:00.0
Facility name: ZIEGLER, KEN
Facility address: 1625 E. MAPLE AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAC002991209
Contact: ZIEGLER, KEN
Contact address: 1625 E. MAPLE AVENUE
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-462-3884
Contact email: ANDREWC@PWSEI.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

ZIEGLER, KEN (Continued) **1024771298**

Owner/Operator Summary:

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-462-3884
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-462-3884
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

O92 **RALPHS GROCERY #645** **CA CERS HAZ WASTE** **S113466417**
South **500 N. SEPULVEDA BLVD.** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.164 mi. **CA HWTS**
864 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
123 ft.

CERS HAZ WASTE:

Name:	RALPHS GROCERY #645
Address:	500 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	146329
CERS ID:	10159971

RALPHS GROCERY #645 (Continued) **S113466417**

CERS Description: Hazardous Waste Generator

HAZNET:

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902454447
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.02
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.002
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.001
Year:	2017
Gepaid:	CAL000320877
TSD EPA ID:	OKD000402396
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

RALPHS GROCERY #645 (Continued) **S113466417**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2016
Gepaid:	CAL000320877
TSD EPA ID:	MID980991566
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2016
Gepaid:	CAL000320877
TSD EPA ID:	OKD000402396
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2016
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.001
Year:	2016
Gepaid:	CAL000320877
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.004

Click this hyperlink while viewing on your computer to access
27 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000320877
Shipment Date:	20171026
Creation Date:	10/16/2018 18:31:43
Receipt Date:	20171106
Manifest ID:	017243379JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P075

RALPHS GROCERY #645 (Continued) **S113466417**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	10/16/2018 18:31:43
Receipt Date:	20171106
Manifest ID:	017243379JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U010
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	10/16/2018 18:31:43
Receipt Date:	20171106
Manifest ID:	017243379JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803
Manifest ID:	017243260JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U010
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803
Manifest ID:	017243259JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P075
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803

RALPHS GROCERY #645 (Continued) **S113466417**

Manifest ID:	017243259JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D011
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.019
Waste Quantity:	38
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D007
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803
Manifest ID:	017243259JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170725
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803
Manifest ID:	017243260JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC

RALPHS GROCERY #645 (Continued) **S113466417**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170518
Creation Date:	8/1/2018 18:31:11
Receipt Date:	20170531
Manifest ID:	017243124JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170518
Creation Date:	8/1/2018 18:31:11
Receipt Date:	20170531
Manifest ID:	017243124JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U010
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001

RALPHS GROCERY #645 (Continued) **S113466417**

Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D001
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000320877
Shipment Date:	20141112
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141117
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0215
Waste Quantity:	43
Quantity Unit:	P
Additional Code 1:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0245
Waste Quantity:	49
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	1/14/2015 22:14:59

RALPHS GROCERY #645 (Continued) **S113466417**

Receipt Date:	20141117
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D006
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141112
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141117
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141112
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432

RALPHS GROCERY #645 (Continued) **S113466417**

Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141112
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141117
Manifest ID:	000887761PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140515
Creation Date:	7/12/2014 22:15:17
Receipt Date:	20140521
Manifest ID:	000761728PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

RALPHS GROCERY #645 (Continued) **S113466417**

Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140221
Creation Date:	4/30/2014 22:15:09
Receipt Date:	20140303
Manifest ID:	000703427PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P075
Disposal Method:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000320877
Shipment Date:	20110801
Creation Date:	7/19/2012 22:00:08
Receipt Date:	20110802
Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.023
Waste Quantity:	46
Quantity Unit:	P
Additional Code 1:	D005

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110801
Creation Date:	7/19/2012 22:00:08
Receipt Date:	20110802
Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110801
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110801
Creation Date:	7/19/2012 22:00:08
Receipt Date:	20110802

RALPHS GROCERY #645 (Continued) **S113466417**

Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110801
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110801
Creation Date:	7/19/2012 22:00:08
Receipt Date:	20110802
Manifest ID:	000126237MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

RALPHS GROCERY #645 (Continued) **S113466417**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: Not reported
Waste Quantity: Not reported
Quantity Unit: Not reported
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000320877

Shipment Date: 20151021
Creation Date: 5/4/2016 22:15:36
Receipt Date: 20151103
Manifest ID: 013620201JJK
Trans EPA ID: MIK435642742
Trans Name: EQ INDUSTRIAL SERVICES
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: OKD000402396
Trans Name: EQ OKLAHOMA INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D035
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.002
Waste Quantity: 4
Quantity Unit: P
Additional Code 1: D002
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151021
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 013620201JJK
Trans EPA ID: MIK435642742
Trans Name: EQ INDUSTRIAL SERVICES
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS
TSDF EPA ID: OKD000402396
Trans Name: EQ OKLAHOMA INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: - Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U205
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D011
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D008

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 3:	D007
Additional Code 4:	D005
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109
Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P075
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109
Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U010
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109

RALPHS GROCERY #645 (Continued) **S113466417**

Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U154
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	D035
Additional Code 3:	D018
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC

RALPHS GROCERY #645 (Continued) **S113466417**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000320877
Shipment Date:	20131216
Creation Date:	2/18/2014 22:15:13
Receipt Date:	20131227
Manifest ID:	000663283PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste

RALPHS GROCERY #645 (Continued) **S113466417**

RCRA Code:	P001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131115
Creation Date:	12/27/2013 22:15:22
Receipt Date:	20131122
Manifest ID:	000640860PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131115
Creation Date:	12/27/2013 22:15:22
Receipt Date:	20131122
Manifest ID:	000640860PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130519
Creation Date:	8/25/2014 11:40:44
Receipt Date:	20130523
Manifest ID:	000523275PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, L.P.
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130519
Creation Date:	8/25/2014 11:40:44
Receipt Date:	20130523
Manifest ID:	000523275PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, L.P.
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130519
Creation Date:	8/25/2014 11:40:44

RALPHS GROCERY #645 (Continued) **S113466417**

Receipt Date:	20130523
Manifest ID:	000523275PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, L.P.
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000320877
Shipment Date:	20100709
Creation Date:	9/10/2010 18:30:40
Receipt Date:	20100715
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.024
Waste Quantity:	48
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	9/10/2010 18:30:40
Receipt Date:	20100715
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

RALPHS GROCERY #645 (Continued) **S113466417**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D018
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	9/10/2010 18:30:40
Receipt Date:	20100715
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids

RALPHS GROCERY #645 (Continued) **S113466417**

RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000071108MWI
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000320877
Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109
Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109
Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133

RALPHS GROCERY #645 (Continued) **S113466417**

Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	U010
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D011
Additional Code 3:	D010
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/12/2016 10:00:07
Receipt Date:	20151109
Manifest ID:	013620202JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	MID980991566
Trans Name:	EQ DETROIT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P075
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035

RALPHS GROCERY #645 (Continued) **S113466417**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U205
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	5/4/2016 22:15:36
Receipt Date:	20151103
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U154
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	U002
Additional Code 2:	D035

RALPHS GROCERY #645 (Continued) **S113466417**

Additional Code 3:	D018
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151021
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	013620201JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	OKD000402396
Trans Name:	EQ OKLAHOMA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000320877

RALPHS GROCERY #645 (Continued) **S113466417**

Shipment Date:	20121207
Creation Date:	2/18/2013 22:15:20
Receipt Date:	20121220
Manifest ID:	000419991PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	P188
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120730
Creation Date:	10/10/2012 22:15:20
Receipt Date:	20120806
Manifest ID:	000344464PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120730
Creation Date:	10/10/2012 22:15:20
Receipt Date:	20120806
Manifest ID:	000344464PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880

RALPHS GROCERY #645 (Continued) **S113466417**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	RALPHS GROCERY #645
Address:	500 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	146329
CERS ID:	10159971
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 03/10/2019. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Training records could not be located during inspection. Facility shall provide copies of annual training records to CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	146329
Site Name:	Ralphs Grocery #645
Violation Date:	01-29-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/05/2019. The business failed to complete and electronically submit a site map with all required content including: hazardous materials/waste storage areas. Current site map

RALPHS GROCERY #645 (Continued) **S113466417**

depicts hazardous materials in the "Produce Prep" room but this room did not have any hazardous materials during inspection. Complete and electronically submit a site map with all required content. Facility shall update site map and remove hazardous materials symbol from "Produce Prep" room.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 146329
Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/29/2019. 5 gallon container of Hazardous Waste Off-spec medicine located in the Pharmacy was observed without a hazardous waste label. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146329
Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 01/29/2019. A signed copy from the Treatment Storage Disposal Facility (TSDF) of the Uniform Hazardous Waste Manifests were not available at the time of inspection for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Locate a signed copy from the TSDF of all manifests and submit copies to the CUPA for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Facility was able to print out copies of signed manifests the end of inspection and copies were reviewed by CUPA. No further action required at this time.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 1. Facility over-reported helium, facility shall revise this submittal. 2. Facility shall provide a 704 placard on the machine room door.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Matthew Eaton
Entity Title: Not reported
Affiliation Address: P.O. Box 54143
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90054-0143
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street

RALPHS GROCERY #645 (Continued) **S113466417**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Parent Corporation
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054-0143
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Matthew Eaton
Entity Title:	Manager Environmental Affairs
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90054-0143
Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	Operator

RALPHS GROCERY #645 (Continued) **S113466417**

Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	Property Owner
Entity Name:	New Group - El Segundo
Entity Title:	Not reported
Affiliation Address:	P.O Box 2107
Affiliation City:	Malibu
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90265
Affiliation Phone:	(310) 317-6754

HWTS:

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902454447
EPA ID:	CAL000320877
Inactive Date:	Not reported
Create Date:	06/18/2007
Last Act Date:	08/27/2019
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900540000
Owner Name:	RALPHS GROCERY CO
Owner Address:	PO BOX 54143
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900540000
Contact Name:	MATTHEW EATON
Contact Address:	1100 W. ARTESIA BLVD.
Contact Address 2:	Not reported
City,State,Zip:	COMPTON, CA 90220

NAICS:

EPA ID:	CAL000320877
Create Date:	2009-12-03 12:41:18
NAICS Code:	45291
NAICS Description:	Warehouse Clubs and Superstores
Issued EPA ID Date:	2007-06-18 13:15:38
Inactive Date:	Not reported
Facility Name:	RALPHS GROCERY #645
Facility Address:	500 N SEPULVEDA BLVD
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	902454447

O93 **RALPHS GROCERY #645** **RCRA NonGen / NLR** **1024817246**
South **500 N SEPULVEDA BLVD** **CAL000320877**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.164 mi.
864 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
123 ft.

RCRA NonGen / NLR:

Date form received by agency:	2007-06-18 00:00:00.0
Facility name:	RALPHS GROCERY #645
Facility address:	500 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-4447
EPA ID:	CAL000320877
Mailing address:	P.O. BOX 54143 LOS ANGELES, CA 90054-0000
Contact:	SHERRIE WALTERS
Contact address:	1100 W. ARTESIA BLVD. COMPTON, CA 90220
Contact country:	Not reported
Contact telephone:	310-884-4016
Contact email:	SHERRIE.WALTERS@RALPHS.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RALPHS GROCERY CO
Owner/operator address:	PO BOX 54143 LOS ANGELES, CA 90054
Owner/operator country:	Not reported
Owner/operator telephone:	310-884-4016
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SHERRIE WALTERS
Owner/operator address:	1100 W. ARTESIA BLVD. COMPTON, CA 90220
Owner/operator country:	Not reported
Owner/operator telephone:	310-884-4016
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

RALPHS GROCERY #645 (Continued) **1024817246**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

94
NE
1/8-1/4
0.171 mi.
902 ft.

HUGHES AIRCRAFT CO/ SCG **CA LUST** **S102431539**
1925 MAPLE ST E **CA HIST CORTESE** **N/A**
EL SEGUNDO, CA 90245 **CA CERS**

Relative:
Lower

Actual:
107 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13531	
Status:	Case Closed	
Substance:	Isopropyl Alcohol	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603705197	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	SEPULVEDA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/10/1994	
Date Leak First Reported:		11/28/1994
Date Leak Record Entered:	5/24/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	9/29/1994	
Date Case Last Changed on Database:		1/3/1996
Date the Case was Closed:		1/3/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9450.65933227475287913753422
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported

HUGHES AIRCRAFT CO/ SCG (Continued) **S102431539**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HUGHES AIRCRAFT CO.
RP Address: BLDG 225/MS C375 P.O. BOX 92919 LA CA 90009
Program: LUST
Lat/Long: 33.9270474 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TPH-1200PPM, ACETONE-250PPM UNDER PIPING AROUND ROOM 1610

LUST:
Name: HUGHES AIRCRAFT CO/ SCG
Address: 1925 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705197
Global Id: T0603705197
Latitude: 33.927358
Longitude: -118.392281
Status: Completed - Case Closed
Status Date: 01/03/1996
Case Worker: SHT
RB Case Number: R-13531
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Alcohols
Site History: Not reported

LUST:
Global Id: T0603705197
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705197
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov

HUGHES AIRCRAFT CO/ SCG (Continued) **S102431539**

Phone Number: Not reported

LUST:
Global Id: T0603705197
Action Type: Other
Date: 10/10/1994
Action: Leak Discovery

Global Id: T0603705197
Action Type: Other
Date: 09/29/1994
Action: Leak Stopped

Global Id: T0603705197
Action Type: Other
Date: 11/28/1994
Action: Leak Reported

LUST:
Global Id: T0603705197
Status: Open - Case Begin Date
Status Date: 09/29/1994

Global Id: T0603705197
Status: Completed - Case Closed
Status Date: 01/03/1996

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT CO/ SCG
edr_fadd1: 1925 MAPLE
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13531

CERS:
Name: HUGHES AIRCRAFT CO/ SCG
Address: 1925 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 244220
CERS ID: T0603705197
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HUGHES AIRCRAFT CO/ SCG (Continued) **S102431539**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

P95 **SPRING CLEANERS** **CA DRYCLEANERS** **S121696818**
ESE **2003 E MARIPOSA AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.193 mi.
1017 ft. **Site 1 of 5 in cluster P**

Relative: **Lower**
Actual: **107 ft.**

DRYCLEAN SOUTH COAST:

Name:	SPRING CLEANERS
Address:	2003 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	186178
Application Number:	599124
Permit Number:	G49830
Status:	A
Representative Name:	MARCOS NERI
Representative Telephone:	310 4846889
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	371.27999878
UTM North:	3754.3701172

Name:	SPRING CLEANERS
Address:	2003 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	186178
Application Number:	605660
Permit Number:	G53521
Status:	A
Representative Name:	MARCOS NERI
Representative Telephone:	310 4846889
Permit Status:	ACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	371.27999878
UTM North:	3754.3701172

Q96 **RAYTHEON COMPANY** **SEMS-ARCHIVE** **1015730700**
ENE **2030 MAPLE AVENUE** **RCRA-TSDF** **CAT080010853**
1/8-1/4 **EL SEGUNDO, CA 90245** **RCRA-LQG**
0.215 mi.
1136 ft. **Site 1 of 6 in cluster Q**

Relative:
Lower

Actual:
109 ft.

SEMS Archive:

Site ID:	0905120
EPA ID:	CAT080010853
Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
Address:	2060 E. IMPERIAL HWY.
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-08-03 04:00:00
Finish Date:	1994-08-03 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1

RAYTHEON COMPANY (Continued) **1015730700**

Start Date: Not reported
Finish Date: 2008-02-25 05:00:00
Qual: N
Current Action Lead: EPA Perf

RCRA-TSDF:
Date form received by agency: 2016-07-21 00:00:00.0
Facility name: RAYTHEON COMPANY
Facility address: 2030 MAPLE AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAT080010853
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 781-768-3991
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1997-12-17 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: Not reported
Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1997-12-17 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

RAYTHEON COMPANY (Continued) **1015730700**

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-04-01 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 1994-04-07 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-10-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

RAYTHEON COMPANY (Continued) **1015730700**

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

RAYTHEON COMPANY (Continued) **1015730700**

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D009
Waste name: MERCURY
Amount (Lbs): 148280

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-28 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-28 00:00:00.0
Enf. disposition status: Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1995-05-03 00:00:00.0
Date achieved compliance: 1996-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1995-05-03 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1991-12-09 00:00:00.0
Date achieved compliance: 1992-01-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-12-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 1991-12-09 00:00:00.0
Date achieved compliance: 1992-01-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-12-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-05-13 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-04-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1988-03-22 00:00:00.0
Date achieved compliance: 1988-03-22 00:00:00.0
Violation lead agency: State
Enforcement action: FOCUSED COMPLIANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1985-12-12 00:00:00.0
Date achieved compliance: 1986-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1985-12-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1984-05-09 00:00:00.0
Date achieved compliance: 1985-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1984-05-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2006-06-28 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 1995-05-03 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Closure/Post-Closure

RAYTHEON COMPANY (Continued) **1015730700**

Date achieved compliance: 1996-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1992-01-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 1992-01-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-05-13 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1986-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1984-05-09 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1985-01-01 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2016-07-21 00:00:00.0
Facility name: RAYTHEON COMPANY
Facility address: 2030 MAPLE AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAT080010853
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous

RAYTHEON COMPANY (Continued) **1015730700**

waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	781-768-3991
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-17 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1997-12-17 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2014-03-01 00:00:00.0
Site name:	RAYTHEON COMPANY
Classification:	Large Quantity Generator

RAYTHEON COMPANY (Continued) **1015730700**

Date form received by agency: 2012-03-01 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-04-01 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 1994-04-07 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-10-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

RAYTHEON COMPANY (Continued) **1015730700**

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

RAYTHEON COMPANY (Continued) **1015730700**

. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

RAYTHEON COMPANY (Continued) **1015730700**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D009
Waste name: MERCURY
Amount (Lbs): 148280

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-28 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1995-05-03 00:00:00.0
Date achieved compliance: 1996-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1995-05-03 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1991-12-09 00:00:00.0
Date achieved compliance: 1992-01-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-12-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550

RAYTHEON COMPANY (Continued) **1015730700**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 1991-12-09 00:00:00.0
Date achieved compliance: 1992-01-09 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-12-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-05-13 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-04-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1988-03-22 00:00:00.0
Date achieved compliance: 1988-03-22 00:00:00.0
Violation lead agency: State
Enforcement action: FOCUSED COMPLIANCE INSPECTION
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1985-12-12 00:00:00.0
Date achieved compliance: 1986-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1985-12-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1984-05-09 00:00:00.0
Date achieved compliance: 1985-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1984-05-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2006-06-28 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 1995-05-03 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1996-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1992-01-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 1992-01-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-05-13 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1986-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1984-05-09 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1985-01-01 00:00:00.0

RAYTHEON COMPANY (Continued) **1015730700**

Evaluation lead agency: State

Q97 **RAYTHEON CO** **CA ENVIROSTOR** **S103983824**
ENE **2030 MAPLE AVENUE** **CA HWP** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.215 mi.
1136 ft. **Site 2 of 6 in cluster Q**

Relative:
Lower

Actual:
109 ft.

ENVIROSTOR:

Name:	RAYTHEON CO
Address:	2030 MAPLE AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001344
Status:	Active
Status Date:	04/14/2015
Site Code:	300315
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	15.5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92618
Longitude:	-118.3912
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - ELECTRONIC, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, SAND BLASTING, UNKNOWN, AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC
Potential COC:	Under Investigation Under Investigation
Confirmed COC:	Not reported
Potential Description:	UE, UE
Alias Name:	CAT080010853
Alias Type:	EPA Identification Number
Alias Name:	CAT080010853
Alias Type:	EPA Identification Number
Alias Name:	300315
Alias Type:	Project Code (Site Code)
Alias Name:	60001344
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Corrective Action Oversight Cost Recovery Estimate
Completed Date:	10/11/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

RAYTHEON CO (Continued) **S103983824**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: RAYTHEON CO
Address: 2030 MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAT080010853
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.92695
Longitude: -118.3912
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: 300315, TBD
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 04/26/1985

RAYTHEON CO (Continued) **S103983824**

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/17/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

Closure:

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating

RAYTHEON CO (Continued) **S103983824**

Unit Names: Tankstr
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/23/2018

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/1995

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: Tankstr
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: Not reported

Alias:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300315

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: TBD

CERS:
Name: RAYTHEON CO
Address: 2030 MAPLE AVENUE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 342059
CERS ID: 60001344
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: DON INDERMILL
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CHATSWORTH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Q98
ENE
1/8-1/4
0.215 mi.
1136 ft.

HUGHES AIRCRAFT COMPANY
2030 E. MAPLE AVENUE
EL SEGUNDO, CA

Site 3 of 6 in cluster Q

CA UST **U004261114**
N/A

Relative:
Lower

Actual:
109 ft.

EL SEGUNDO UST:

Name:	HUGHES AIRCRAFT COMPANY
Address:	2030 E. MAPLE AVENUE
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

Q99
ENE
1/8-1/4
0.215 mi.
1136 ft.

HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
2030 E. MAPLE ST.
EL SEGUNDO, CA 90277

Site 4 of 6 in cluster Q

NY MANIFEST **S119069138**
N/A

Relative:
Lower

Actual:
109 ft.

NY MANIFEST:

Name:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Address:	2030 E. MAPLE ST.
City,State,Zip:	EL SEGUNDO, CA 90277-0000
Country:	USA
EPA ID:	CAT080010853
Facility Status:	Not reported
Location Address 1:	PO BOX 92426 BLDG R23 M/S1003
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	LOS ANGELES
Location State:	CA
Location Zip:	90009
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAT080010853
Mailing Name:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Contact:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Address 1:	PO BOX 92426 BLDG R23 M/S1003
Mailing Address 2:	Not reported
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	90009
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136478854

NY MANIFEST:

Document ID:	NYA5560263
Manifest Status:	K

HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP (Continued) **S119069138**

seq:	Not reported
Year:	1989
Trans1 State ID:	906404
Trans2 State ID:	10213PNY
Generator Ship Date:	07/14/1989
Trans1 Recv Date:	07/14/1989
Trans2 Recv Date:	07/15/1989
TSD Site Recv Date:	08/01/1989
Part A Recv Date:	08/09/1989
Part B Recv Date:	08/09/1989
Generator EPA ID:	CAT080010853
Trans1 EPA ID:	NJD000603563
Trans2 EPA ID:	NYD980769947
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00006
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Q100
ENE
1/8-1/4
0.215 mi.
1136 ft.

HUGHES AIRCRAFT CO RADAR SYST
2030 E MAPLE AVE
EL SEGUNDO, CA 90245

Site 5 of 6 in cluster Q

CA SWEEPS UST **1000241033**
CA HIST UST **N/A**
CA NPDES
CA CIWQS

Relative:
Lower

Actual:
109 ft.

SWEEPS UST:

Name:	HUGHES - RADAR SYSTEMS GROUP
Address:	2030 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	9550
Number:	9
Board Of Equalization:	44-008433
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 7

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009550-000004
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES - RADAR SYSTEMS GROUP
Address:	2030 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	9550
Number:	9
Board Of Equalization:	44-008433
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009550-000005
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES - RADAR SYSTEMS GROUP
Address:	2030 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	9550
Number:	9
Board Of Equalization:	44-008433
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009550-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES - RADAR SYSTEMS GROUP
Address:	2030 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: HUGHES AIRCRAFT CO RADAR SYST
Address: 2030 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00026EA3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EA3.pdf
Region: STATE
Facility ID: 00000029277
Facility Type: Other
Other Type: ELECTRONIC ASSY.
Contact Name: M.A.LIVESAY
Telephone: 2136482077
Owner Name: HUGHES AIRCRAFT CO.
Owner Address: 200 N. SEPULVEDA BLVD.
Owner City,St,Zip: EL SEGUNDO, CA 90009
Total Tanks: 0006

Tank Num: 001
Container Num: R-23-WA-1
Year Installed: 1983
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 002
Container Num: R-23-WWTP
Year Installed: 1981
Tank Capacity: 00016000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 003
Container Num: R-23-NA-1
Year Installed: 1983
Tank Capacity: 00000300
Tank Used for: PRODUCT
Type of Fuel: Not reported

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 004
Container Num: R-24-ULG-1
Year Installed: 1984
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: R-24-ULG-2
Year Installed: 1984
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: R-23 WWTP-
Year Installed: 1985
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Click here for Geo Tracker PDF:

NPDES:
Name: RAYTHEON CO
Address: 2030 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I021414
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 07/01/2015

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339623
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021414
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/06/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Terminated
Status Date:	07/01/2015
Place Size:	1
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Not reported
Certification Date:	17-JUN-12
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	339623
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021414
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/06/2015
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAYTHEON CO
Address:	2030 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Raytheon Co
Agency Address:	2000 E El Segundo Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021414
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/16/2008
Termination Date:	04/06/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.92695
Longitude:	-118.39119

P101 **KILROY INDUSTRIES** **CA UST** **U004261128**
ESE **2031 E. MARIPOSA AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.216 mi.
1141 ft. **Site 2 of 5 in cluster P**

Relative:
Lower

Actual:
107 ft.

EL SEGUNDO UST:

Name:	KILROY INDUSTRIES
Address:	2031 E. MARIPOSA AVENUE
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

P102 **MATTEL TOYS INC** **CA CERS HAZ WASTE** **1000472823**
ESE **2031 MARIPOSA** **RCRA NonGen / NLR** **CAD982433401**
1/8-1/4 **EL SEGUNDO, CA 90245** **FINDS**
0.216 mi. **ECHO**
1141 ft. **Site 3 of 5 in cluster P** **CA HWP**
CA NPDES

Relative:
Lower

CA WDS
CA CIWQS

Actual:
107 ft.

CA CERS

CERS HAZ WASTE:

Name:	MATTEL HANDLER TEAM CENTER
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47142
CERS ID:	10593142

MATTEL TOYS INC (Continued) **1000472823**

CERS Description: Hazardous Waste Generator

RCRA NonGen / NLR:
Date form received by agency: 2010-02-24 00:00:00.0
Facility name: MATTEL INC.
Site name: MATTELL INC.
Facility address: 2031 MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD982433401
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: NAVREET UPPAL
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-252-3526
Contact email: NAVREET.UPPAL@MATTEL.COM
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TONI POWELL
Owner/operator address: 333 CONTINENTAL BLVD TWR 0501
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5475
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-252-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1991-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: KILROY INDUSTRIES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-252-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1991-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5475
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

MATTEL TOYS INC (Continued) **1000472823**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 2002-02-20 00:00:00.0
Site name: MATTEL, INC. DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: MATTEL DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 1999-04-15 00:00:00.0
Site name: MATTEL, INC.
Classification: Large Quantity Generator

Date form received by agency: 1990-12-05 00:00:00.0
Site name: MATTEL INC.
Classification: Not a generator, verified

Date form received by agency: 1990-12-05 00:00:00.0
Site name: MATTEL TOYS DESIGN CENTER
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

MATTEL TOYS INC (Continued) **1000472823**

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

MATTEL TOYS INC (Continued) **1000472823**

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-25 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-24 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management

MATTEL TOYS INC (Continued) **1000472823**

Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-25 00:00:00.0
Violation lead agency: EPA
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

FINDS:
Registry ID: 110000784982
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000784982

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000472823
Registry ID: 110000784982
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000784982
Name: MATTEL TOYS INC
Address: 2031 MARIPOSA
City,State,Zip: EL SEGUNDO, CA 90245

HWP:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
EPA Id: CAD009687336
Cleanup Status: PROTECTIVE FILER
Latitude: 33.92483
Longitude: -118.3908
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Site Code: Not reported
Assembly District: 53
Senate District: 24
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD009687336
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 07/21/1988

EPA Id: CAD009687336
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 06/25/1984

NPDES:
Name: MATTEL TOYS DESIGN CTR
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I002527
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 04/01/1992
Operator Name: Mattel Toys
Operator Address: 333 Continental Blvd M1 0530
Operator City: El Segundo
Operator State: California
Operator Zip: 90245

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 188987
Order Number: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS
Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188987
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I002527
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	333 Continental Blvd M1 0530
Discharge Name:	Mattel Toys
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188987
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS
Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500

MATTEL TOYS INC (Continued) **1000472823**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	MATTEL TOYS DESIGN CENTER
Address:	2031 E Mariposa Ave
City:	EL SEGUNDO
Facility ID:	4 19I002527
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

MATTEL TOYS INC (Continued) **1000472823**

	pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3102523570
Facility Contact:	TOM BOXWELL
Agency Name:	MATTEL TOYS INC.
Agency Address:	333 Continental Blvd.
Agency City,St,Zip:	El Segundo 902455012
Agency Contact:	TOM BOXWELL
Agency Telephone:	3102523570
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Mattel Toys
Agency Address:	333 Continental Blvd M1 0530, El Segundo, CA 90245
Place/Project Type:	Industrial - Dolls and Stuffed Toys
SIC/NAICS:	3942(+)
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002527
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/01/1992

MATTEL TOYS INC (Continued) **1000472823**

Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.92363
Longitude:	-118.39088

CERS:

Name:	NORTHROP CORP-AIRCRAFT DIV
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902500000
Site ID:	215019
CERS ID:	CAD009687336
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Facility Owner
Entity Name:	NORTHROP CORPORATION
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	0000000000

Affiliation Type Desc:	Facility Contact
Entity Name:	DEACT PER 11/94 SURVEY - P. H.
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	--

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	536520
CERS ID:	242522
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	536520
Site Name:	Mattel Toys Design Ctr
Violation Date:	02-05-2009
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	0.203 & 0.215 mg/L of Zn were detected at the sample locations, DC Sample Point & Warehouse Sample Point, respectively, on 02/05/2009.
Violation Division:	Water Boards
Violation Program:	INDSTW

MATTEL TOYS INC (Continued) **1000472823**

Violation Source: SMARTS

Site ID: 536520
Site Name: Mattel Toys Design Ctr
Violation Date: 05-25-2004
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 5/25/04 NOT Inspection: Rusting trash bins, office furniture, miscellaneous debris, rusting drums exposed to rain water.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-13-2001
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 536520
Site Name: Mattel Toys Design Ctr
Site Address: 2031 E MARIPOSA AVE
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 05-28-2004
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: Denial of NOT letter sent 5/28/04 because facility was not in compliance with industrial stormwater permit.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Site ID: 536520
Site Name: Mattel Toys Design Ctr
Site Address: 2031 E MARIPOSA AVE
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 12-13-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that

MATTEL TOYS INC (Continued) **1000472823**

the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.

Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Mattel Toys
Entity Title: Operator
Affiliation Address: 333 Continental Blvd M1 0530
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Name: MATTEL HANDLER TEAM CENTER
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47142
CERS ID: 10593142
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/04/2017. The business failed to provide

MATTEL TOYS INC (Continued) **1000472823**

initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 10-29-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/08/2014. HMBEP was submitted under wrong address.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material;

MATTEL TOYS INC (Continued) **1000472823**

a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: One of the drums was not screwed to the drum tightly and the lid would not latch to the funnel due to damage. All funnels shall be connected to the drum securely and the lids clamped closed.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: The facility is not maintaining the final copy of most of the manifests that were shipped in 2017. A final copy must be obtained within 30 days or an Exception Report sent to the DTSC. Locate a copy of all manifests for 001188031, 010416609, 010978266, 010394531, 010392422 and submit copies to the CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable

MATTEL TOYS INC (Continued) **1000472823**

quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: The facility is working with metals in the grinding room and may be generating toxic metal fines. Please have a State Certified laboratory run a CAM 17 minus mercury on the material being collected in the collection unit. Send a copy of the test results to ESFD to determine if the waste is toxic and must be managed a hazardous waste. The facility has not made a waste determination for the dust collected in the metal grinding room.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility must submit HMBEP into CERs under this address by 11/14/14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 47142
Facility Name: Mattel Handler Team Center

MATTEL TOYS INC (Continued) **1000472823**

Env Int Type Code: HWG
Program ID: 10593142
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.924840
Longitude: -118.390890

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2031 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: Identification Signer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Affiliation Type Desc: Operator
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: Parent Corporation
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Toni Powell
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Name: NORTHROP CORP-AIRCRA
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Site ID: 371415
CERS ID: 80001646
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

P103 **NORTHROP CORP AIRCRAFT DIV** **RCRA-TSDF** **1000409965**
ESE **2031 E MARIPOSA AVE** **RCRA NonGen / NLR** **CAD009687336**
1/8-1/4 **EL SEGUNDO, CA 90245** **FINDS**
0.216 mi. **ECHO**
1141 ft. **Site 4 of 5 in cluster P**

Relative:
Lower

Actual:
107 ft.

RCRA-TSDF:

Date form received by agency:	1998-09-24 00:00:00.0
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2031 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009687336
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	MARY ELAINE PALACIO
Contact address:	ONE HORNET WY EL SEGUNDO, CA 90245-2804
Contact country:	US
Contact telephone:	310-332-4114
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1993-09-09 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-04-30 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1987-06-26 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-09-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1987-01-13 00:00:00.0
Date achieved compliance: 1987-08-03 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1987-02-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Evaluation Action Summary:
- Evaluation date: 1987-06-26 00:00:00.0
- Evaluation: WRITTEN INFORMAL
- Area of violation: Generators - General
- Date achieved compliance: 1988-09-15 00:00:00.0
- Evaluation lead agency: State

- Evaluation date: 1987-01-13 00:00:00.0
- Evaluation: WRITTEN INFORMAL
- Area of violation: TSD - Closure/Post-Closure
- Date achieved compliance: 1987-08-03 00:00:00.0
- Evaluation lead agency: State

RCRA NonGen / NLR:
- Date form received by agency: 1998-09-24 00:00:00.0
- Facility name: NORTHROP CORP AIRCRAFT DIV
- Facility address: 2031 E MARIPOSA AVE
  EL SEGUNDO, CA 90245
- EPA ID: CAD009687336
- Mailing address: 3901 W BROADWAY
  HAWTHORNE, CA 90250
- Contact: MARY ELAINE PALACIO
- Contact address: ONE HORNET WY
  EL SEGUNDO, CA 90245-2804
- Contact country: US
- Contact telephone: 310-332-4114
- Contact email: Not reported
- EPA Region: 09
- Land type: Other land type
- Classification: TSDF
- Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
- Classification: Non-Generator
- Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
- Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
- Owner/operator address: 2031 EAST MARIPOSA AVE
  CITY NOT REPORTED, CA 99999
- Owner/operator country: Not reported
- Owner/operator telephone: 213-970-4704
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
- Owner/operator address: 2031 EAST MARIPOSA AVE
  EL SEGUNDO, CA 90245
- Owner/operator country: Not reported
- Owner/operator telephone: 213-970-4704
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1993-09-09 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-04-30 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1987-06-26 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-09-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1987-01-13 00:00:00.0
Date achieved compliance: 1987-08-03 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Enforcement action date: 1987-02-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1987-06-26 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-01-13 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1987-08-03 00:00:00.0
Evaluation lead agency: State

FINDS:
Registry ID: 110008261139
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110008261139

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000409965
Registry ID: 110008261139
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008261139
Name: NORTHROP CORP AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245

P104 **NORTHROP CORP-AIRCRAFT DIV** **CA ENVIROSTOR** **S118757542**
ESE **2031 E MARIPOSA AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90250**
0.216 mi.
1141 ft. **Site 5 of 5 in cluster P**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Facility ID: 80001646
Status: No Action Required
Status Date: 06/19/2013
Site Code: Not reported

NORTHROP CORP-AIRCRAFT DIV (Continued) **S118757542**

Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Katherine Gould
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92483
Longitude:	-118.3908
APN:	4138019002
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	CAD009687336
Alias Type:	EPA Identification Number
Alias Name:	80001646
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/30/1990
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

R105 **EL SEGUNDO STORAGE ANNEX** **CA ENVIROSTOR** **S107736275**
NNW **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.223 mi.
1178 ft. **Site 1 of 5 in cluster R**

Relative: ENVIROSTOR:
Higher

Name:	EL SEGUNDO STORAGE ANNEX
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000076
Status:	Inactive - Needs Evaluation

Actual:
130 ft.

EL SEGUNDO STORAGE ANNEX (Continued) **S107736275**

Status Date:	08/15/2018
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F531700
Alias Type:	Federal Facility ID
Alias Name:	J09CA0113
Alias Type:	INPR
Alias Name:	80000076
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Site Screening
Future Due Date:	2020
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

R106 **NWRIP DOD #26** **CA ENVIROSTOR** **S107736934**
NNW **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.223 mi.
1178 ft. **Site 2 of 5 in cluster R**

Relative: ENVIROSTOR:
Higher

Name:	NWRIP DOD #26
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA

Actual:
130 ft.

NWRIP DOD #26 (Continued) **S107736934**

Facility ID: 80000638
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3969
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F686900
Alias Type: Federal Facility ID
Alias Name: J09CA1029
Alias Type: INPR
Alias Name: 80000638
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

R107 **EL SEGUNDO STORAGE ANNEX** **FUDS** **1024903408**
NNW **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.224 mi.
1183 ft. **Site 3 of 5 in cluster R**

Relative: **Higher**
Actual: **130 ft.**

FUDS:

EPA Region:	09
Installation ID:	CA99799F531700
Congressional District Number:	33
Facility Name:	EL SEGUNDO STORAGE ANNEX
FUDS Number:	J09CA0113
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Object ID:	2230
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Other
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=60980
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not Listed
Latitude:	33.929166670000000
Longitude:	-118.396944439999000

R108 **HUGHES SPACE & COMMUNICATIONS** **CA CPS-SLIC** **S104404959**
North **900 SEPULVEDA** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.229 mi.
1211 ft. **Site 4 of 5 in cluster R**

Relative: **Lower**
Actual: **117 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Inactive
SLIC:	0944
Substance:	VOCs
Staff:	John Geroch

R109 **HUGHES SPACE AND COMMUNICATION** **CA LUST** **S103891174**
North **900 SEPULVEDA BLVD N** **CA CPS-SLIC** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.229 mi.
1211 ft. **Site 5 of 5 in cluster R**

Relative: **Lower**
Actual: **117 ft.**

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	R-11139
Status:	Pollution Characterization
Substance:	Solvents
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603705022
W Global ID:	Not reported

HUGHES SPACE AND COMMUNICATION (Continued) **S103891174**

Staff:	SLC	
Local Agency:	19013	
Cross Street:	WALNUT AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/28/1984
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/12/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9982.6180211508700522871739 37
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/21/1988
Remediation Plan Submitted:		3/18/1988
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES SPACE AND COMMUNCATION	
RP Address:	P.O. BOX 92919, LOS ANGELES, CA 90009	
Program:	SLIC	
Lat/Long:	33.9291273 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	3A1	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	FILE MISSING, ALSO SEE CASE FILE NO. I-12326X, HUGHES AIRCRAFT AT 2000 IMPERIALHWY., EL SEGUNDO; 1/4/00 4TH QTR GW MON RPT 1999	

CPS-SLIC:

Name:	HUGHES SPACE & COMMUNICATION
Address:	900 SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/29/2015
Global Id:	SLT4L9441895
Lead Agency:	LOS ANGELES RWQCB (REGION 4)

HUGHES SPACE AND COMMUNICATION (Continued) **S103891174**

Lead Agency Case Number:	Not reported
Latitude:	33.930893
Longitude:	-118.3951
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0944
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	HUGHES SPACE & COMMUNICATION
Address:	900 SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA
Site ID:	250373
CERS ID:	SLT4L9441895
CERS Description:	Cleanup Program Site

Q110 **MATTEL MAPLE BUILDING** **CA CERS HAZ WASTE** **S123526150**
ENE **2031-2041 E MAPLE AVE** **CA CERS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.234 mi.
1233 ft. **Site 6 of 6 in cluster Q**

Relative: **Lower**

Actual: **108 ft.**

CERS HAZ WASTE:

Name:	MATTEL MAPLE BUILDING
Address:	2031-2041 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47144
CERS ID:	10594504
CERS Description:	Hazardous Waste Generator

CERS:

Name:	MATTEL MAPLE BUILDING
Address:	2031-2041 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47144
CERS ID:	10594504
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47144
Site Name:	Mattel Maple Building
Violation Date:	08-08-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/07/2018. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility failed to disclose Acetone and Waste Paint on

MATTEL MAPLE BUILDING (Continued) **S123526150**

chemical inventory. Facility also failed to disclose accurate amounts of Argon (3140 cubic feet onsite during inspection). New federal hazard categories are also missing from all entries in hazardous materials inventory. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility shall add Acetone, Waste Paint, and update Argon amounts on chemical inventory. Facility shall also update hazardous materials inventory to include new federal hazard categories.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .
Violation Notes: Returned to compliance on 09/07/2018. Owner/Operator failed to properly label universal waste. Cardboard boxes of Universal Waste Fluorescent Light Bulbs located in the Maple West Electrical Storage Room was observed without a hazardous waste label. Properly label universal waste Fluorescent Light Bulbs and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/07/2018. The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Facility failed to submit an annual HMBP for 2018, on or before March 1st. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date, March 1st.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP

MATTEL MAPLE BUILDING (Continued) **S123526150**

Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description: Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes: Returned to compliance on 09/04/2018. Owner/Operator failed to dispose of hazardous waste at a facility which has a permit from DTSC or disposed of hazardous waste at a point which is not authorized pursuant to HSC chapter 6.5. Facility is disposing of Waste Paint in shop sink (Main Stage in Creative Studios). Immediately discontinue disposing of hazardous waste/Waste Pain in shop sink. Submit a statement to the CUPA indicating improperly disposed of hazardous waste has been properly managed, and that all hazardous wastes will only be disposed at facilities permitted by DTSC in the future.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 09/07/2018. The business failed to complete and electronically submit a site map with all required content including: loading area, adjacent streets, storm and sewer drains, evacuation staging area, and emergency response equipment. Complete and electronically submit a site map with all required content to include: loading area, adjacent streets, storm and sewer drains, evacuation staging area, and emergency response equipment.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/07/2018. Facility failed to display CUPA Permit in a prominent place. Facility shall place a copy of it’s CUPA Permit in front lobby.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 10-29-2014

MATTEL MAPLE BUILDING (Continued) **S123526150**

Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	47144
Site Name:	Mattel Maple Building
Violation Date:	08-08-2018
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 09/05/2018. Two steel drums of Hazardous Waste Aerosol Cans located in the East and West Paint areas were observed open as the lids are not approved for hazardous waste containment. Submit photos to the CUPA demonstrating that the container listed above has been properly closed and approved lids are being used.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	47144
Site Name:	Mattel Maple Building
Violation Date:	10-29-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-08-2018
Violations Found:	Yes

MATTEL MAPLE BUILDING (Continued) **S123526150**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd M1-0540
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 252-3854

Affiliation Type Desc: Parent Corporation

MATTEL MAPLE BUILDING (Continued) **S123526150**

Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Toni Powell
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd M1-0540
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd M1-0540
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Shameka Lewis
Entity Title:	Senior Supervisor EH&S
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Mattel Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 252-5475

S111 **TELEDYNE CONTROLS LLC** **RCRA-SQG** **1000241004**
SE **501 CONTINENTAL BLVD** **FINDS** **CAD981407216**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.234 mi.
1238 ft. **Site 1 of 3 in cluster S**

Relative:
Higher

Actual:
118 ft.

RCRA-SQG:

Date form received by agency:	2017-08-03 00:00:00.0
Facility name:	TELEDYNE CONTROLS LLC
Facility address:	501 CONTINENTAL BLVD EL SEGUNDO, CA 90245-5036
EPA ID:	CAD981407216
Mailing address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245-5036
Contact:	VU M NGUYEN
Contact address:	CONTINENTAL BLVD EL SEGUNDO, CA 90245-5036
Contact country:	US
Contact telephone:	310-765-9436
Contact email:	VU.NGUYEN@TELEDYNE.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TELEDYNE CONTROLS LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	310-765-3600
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2005-12-20 00:00:00.
Owner/Op end date:	Not reported
Owner/operator name:	CONTINENT PROPERTY LLC (C/O THE WONDERFUL COMPANY)
Owner/operator address:	W OLYMPIC BLVD LOS ANGELES, CA 90064
Owner/operator country:	US
Owner/operator telephone:	310-966-5700
Owner/operator email:	COMMENTS@WONDERFUL.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2010-09-21 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 2015-12-16 00:00:00.0
Site name: TELEDYNE CONTROLS LLC
Classification: Small Quantity Generator

Date form received by agency: 2011-02-28 00:00:00.0
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

Date form received by agency: 2010-08-02 00:00:00.0
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

Date form received by agency: 2006-06-02 00:00:00.0
Site name: TELEDYNE CONTROLS-A BUSINESS UNIT OF TEL
Classification: Small Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Date form received by agency: 1986-05-08 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

TELEDYNE CONTROLS LLC (Continued) **1000241004**

TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Violation Status: No violations found

FINDS:
Registry ID: 110002697261
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002697261

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the

TELEDYNE CONTROLS LLC (Continued) **1000241004**

discharge does not adversely affect water quality.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000241004
Registry ID:	110002697261
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002697261
Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245

S112 **TELEDYNE CONTROLS LLC** **CA CERS HAZ WASTE** **S106832778**
SE **501 CONTINENTAL BLVD** **CA EMI** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.234 mi. **CA NPDES**
1238 ft. **Site 2 of 3 in cluster S** **CA CIWQS**
CA CERS
Relative: **CA HWTS**
Higher

Actual: CERS HAZ WASTE:
118 ft.

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	160058
CERS ID:	10341775
CERS Description:	Hazardous Waste Generator

EMI:

Name:	HUGHES AIRCRAFT CO, RADAR SYS
Address:	501 CONTINENTAL BL
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	53311
Air District Name:	SC
SIC Code:	3679
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUGHES AIRCRAFT CO, RADAR SYST

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Address:	501 CONTINENTAL BL
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	53311
Air District Name:	SC
SIC Code:	3663
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902455036
Contact:	VU NGUYEN
Telephone:	3109550299
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Year:	2017
Gepaid:	CAD981407216
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025
Year:	2017
Gepaid:	CAD981407216
TSD EPA ID:	CAD008302903
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07
Year:	2017
Gepaid:	CAD981407216
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.06
Year:	2017
Gepaid:	CAD981407216
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0675

Year: 2016
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.081

Year: 2016
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2016
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.113

Year: 2016
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4875

Year: 2015
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.004

Year: 2015
Gepaid: CAD981407216
TSD EPA ID: CAD008302903
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0155

Click this hyperlink while viewing on your computer to access
185 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2011
Gen EPA ID: CAD981407216

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20111104
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111109
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U223
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111104
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111109
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111104
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111109
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

TELEDYNE CONTROLS LLC (Continued) **S106832778**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20111109
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111104
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000505300VES

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.02
Waste Quantity: 40
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD981407216

Shipment Date: 19941216
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941219
Manifest ID: 93112739
Trans EPA ID: CAD000633230
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633230
Trans Name: Not reported
TSDF Alt EPA ID: CAD000633230
TSDF Alt Name: Not reported
CA Waste Code: 351 - Organic solids with halogens
RCRA Code: F002
Disposal Method: D99 - Disposal, Other
Quantity Tons: 0.14
Waste Quantity: 280
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19941026
Creation Date: 10/18/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 93112705
Trans EPA ID: CAD000633230
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F001
Disposal Method:	- Not reported
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941026
Creation Date:	10/18/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93112705
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	- Not reported
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940914
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940919
Manifest ID:	93112670
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1
Waste Quantity:	200

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940914
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940919
Manifest ID:	93112670
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.133
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940914
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940919
Manifest ID:	93112670
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940914
Creation Date:	3/26/1996 0:00:00

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Receipt Date:	19940919
Manifest ID:	93112670
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940810
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	93112645
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940810
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	93112645
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D007
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940810
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	93112645
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981407216
Shipment Date:	19931221
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	90215091
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F001
Disposal Method:	R01 - Recycler
Quantity Tons:	0

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Waste Quantity:	0
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931221
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	90215091
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	F001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931221
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	90215091
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.133
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931018

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931018
Manifest ID:	90215076
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.057
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931018
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931018
Manifest ID:	90215076
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931018
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931018
Manifest ID:	90215076
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930831
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930903
Manifest ID:	90215062
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930817
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930820
Manifest ID:	90215054
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	R01 - Recycler
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930817
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930820
Manifest ID:	90215054
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
CA Waste Code:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Disposal Method:	R01 - Recycler
Quantity Tons:	0.2919
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930811
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930811
Manifest ID:	90215051
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.038
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD981407216

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20071203
Creation Date:	3/12/2008 18:30:10
Receipt Date:	20071212
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071203
Creation Date:	3/12/2008 18:30:10
Receipt Date:	20071212
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20071203
Creation Date:	3/12/2008 18:30:10
Receipt Date:	20071212
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

TELEDYNE CONTROLS LLC (Continued) **S106832778**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	3/12/2008 18:30:10
Receipt Date:	20071212
Manifest ID:	000218877VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAD981407216

Shipment Date: 20100827
Creation Date: 11/3/2010 18:30:08
Receipt Date: 20100901
Manifest ID: 000475325VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0085
Waste Quantity: 17
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20100827
Creation Date: 11/3/2010 18:30:08
Receipt Date: 20100901
Manifest ID: 000475325VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.0035
Waste Quantity: 7
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20100827
Creation Date:	11/3/2010 18:30:08
Receipt Date:	20100901
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100827
Creation Date:	11/3/2010 18:30:08
Receipt Date:	20100901
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	F005
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100827
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100827
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100827
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

TELEDYNE CONTROLS LLC (Continued) **S106832778**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0875
Waste Quantity:	175
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100827
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100827
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000475325VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100603
Creation Date:	8/30/2010 18:30:37
Receipt Date:	20100611
Manifest ID:	000474060VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U223
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981407216
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0185
Waste Quantity:	37
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130913
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130923
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130913
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130923
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130923
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130923
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0565
Waste Quantity:	113
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000816610VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD981407216
Shipment Date:	19961206

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	95411578
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961206
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	95411578
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961206
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	95411578
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961206
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	95411578
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.057
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961114
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961114
Manifest ID:	95411534
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961114
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961114
Manifest ID:	95411534
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961114
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961114
Manifest ID:	95411534
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961114
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961114

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Manifest ID:	95411534
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961009
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961009
Manifest ID:	95411532
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.054
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961009
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961009
Manifest ID:	95411532
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981407216
Shipment Date:	20141114
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141124
Manifest ID:	000886841VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

TELEDYNE CONTROLS LLC (Continued) **S106832778**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0515
Waste Quantity:	103
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	3/24/2015 8:57:42
Receipt Date:	20140925
Manifest ID:	000888636VES

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	3/24/2015 8:57:42
Receipt Date:	20140925
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	3/24/2015 8:57:42
Receipt Date:	20140925
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140918
Creation Date:	3/24/2015 8:57:42
Receipt Date:	20140925
Manifest ID:	000888636VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD981407216
Shipment Date:	19991208
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991208
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Disposal Method:	D99 - Disposal, Other

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	19991208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991208
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991208
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991208
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.095
Waste Quantity:	190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991208
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991208
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991208
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991208
Manifest ID:	98653843
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990901
Creation Date:	10/27/1999 0:00:00
Receipt Date:	19990901
Manifest ID:	98653805
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990901
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653805
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD981407216

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.055
Waste Quantity:	110
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	U226
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1
Waste Quantity:	200

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	792 - Not reported
RCRA Code:	D002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Receipt Date:	20001218
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20140403
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD981407216
Shipment Date:	19971204
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971209
Manifest ID:	96730642
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971204
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971209
Manifest ID:	96730642
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.033

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971204
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971209
Manifest ID:	96730642
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.133
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971204
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971209
Manifest ID:	96730642
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971016

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971016
Manifest ID:	96730610
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971016
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971016
Manifest ID:	96730610
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.342
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971016
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971016
Manifest ID:	96730610
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.095
Waste Quantity:	190
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971016
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971016
Manifest ID:	96730610
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0825
Waste Quantity:	165
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970814
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970814
Manifest ID:	96730532
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	- Not reported
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970814
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970814
Manifest ID:	96730532
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.2014
Waste Quantity:	53
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD981407216
Shipment Date:	20081201
Creation Date:	2/4/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20081201
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081201
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081201
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081201
Creation Date:	2/4/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081201
Creation Date:	2/4/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	F005

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081201
Creation Date:	2/4/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	000217351VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081119
Creation Date:	1/9/2009 18:30:34
Receipt Date:	20081121
Manifest ID:	004467199JJK
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CAR000188201
Trans 2 Name:	ENVIROSERV
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20080908
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080910
Manifest ID:	000219495VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080908
Creation Date:	11/14/2008 18:30:08
Receipt Date:	20080910
Manifest ID:	000219495VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD981407216

Shipment Date:	19951221
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951221

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Manifest ID:	95411346
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951221
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951221
Manifest ID:	95411346
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951221
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951221
Manifest ID:	95411346
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.057
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951221
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951221
Manifest ID:	95411346
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0325
Waste Quantity:	65
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951108
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951108
Manifest ID:	95411318
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.095
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951108
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951108
Manifest ID:	95411318
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951004
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951004
Manifest ID:	95411255
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	214 - Unspecified solvent mixture
RCRA Code:	D001
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.018
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951004
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951004
Manifest ID:	95411255
Trans EPA ID:	CAD000633230
Trans Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.019
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951004
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951004
Manifest ID:	95411255
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F002
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950818
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950818
Manifest ID:	95411276
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	351 - Organic solids with halogens
RCRA Code:	F002
Disposal Method:	D99 - Disposal, Other

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD981407216
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.063
Waste Quantity:	126
Quantity Unit:	P

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0915
Waste Quantity:	183
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981407216
Shipment Date:	20121102
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121109
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Waste Quantity:	145
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121109
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121109
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.024
Waste Quantity:	48
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.092
Waste Quantity:	184
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2375
Waste Quantity:	475
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121102
Creation Date:	1/25/2013 22:15:09
Receipt Date:	20121109
Manifest ID:	000583629VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD981407216
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.26
Waste Quantity:	520
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001190418VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD981407216
Shipment Date:	20091209
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	3/5/2010 18:31:15
Receipt Date:	20091211
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	3/5/2010 18:31:15
Receipt Date:	20091211
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	3/5/2010 18:31:15
Receipt Date:	20091211
Manifest ID:	000311967VES

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	3/5/2010 18:31:15
Receipt Date:	20091211
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091209
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000311967VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000196775VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000196775VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090917
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000196775VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Info:

Year:	1998
Gen EPA ID:	CAD981407216
Shipment Date:	19981029
Creation Date:	12/10/1998 0:00:00
Receipt Date:	19981029
Manifest ID:	92295177
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Disposal Method:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981029
Creation Date:	12/10/1998 0:00:00
Receipt Date:	19981029
Manifest ID:	92295177
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F003
Disposal Method:	R01 - Recycler
Quantity Tons:	0.42
Waste Quantity:	840
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981029
Creation Date:	12/10/1998 0:00:00
Receipt Date:	19981029
Manifest ID:	92295177
Trans EPA ID:	NJD080631369

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	R01 - Recycler
Quantity Tons:	0.066
Waste Quantity:	132
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0126
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.133
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633230
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633230
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	D99 - Disposal, Other
Quantity Tons:	0.095
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	98653626
Trans EPA ID:	CAD000633230
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 Name: Not reported
TSDF EPA ID: CAD000633230
Trans Name: Not reported
TSDF Alt EPA ID: CAD000633230
TSDF Alt Name: Not reported
CA Waste Code: 331 - Off-specification, aged, or surplus organics
RCRA Code: D002
Disposal Method: D99 - Disposal, Other
Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAD981407216

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001087379VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.063
Waste Quantity: 126
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151216
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 001087379VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0915
Waste Quantity:	183

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0265
Waste Quantity:	53
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Shipment Date:	20151216
Creation Date:	3/22/2016 22:15:44
Receipt Date:	20151221
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	F005
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D035
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12
Waste Quantity:	240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151216
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	001087379VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	468265
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC001775
Regulatory Measure Type:	Enrollee
Program Type:	Industrial

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	501 Continental Blvd
Discharge Name:	Teledyne Controls LLC
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/04/2016
Processed Date:	01/21/2016
Status:	Active
Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC001775
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/21/2016
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/04/2016
Processed Date:	01/21/2016
Status:	Active
Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE CONTROLS LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC001291
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/25/2016
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	464223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/30/2015
Processed Date:	10/21/2015
Status:	Terminated
Status Date:	08/25/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Noel Lira
Operator Contact Title:	EHS Manager
Operator Contact Phone:	310-765-3832
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	noel.lira@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Ocean
Certifier:	Noel Lira
Certifier Title:	EHS Manager

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Certification Date:	30-SEP-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	464223
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/21/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016
Discharge Name:	Teledyne Controls
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001291
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/21/2015
Termination Date:	01/21/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.922237
Longitude:	-118.3917

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD

TELEDYNE CONTROLS LLC (Continued) **S106832778**

City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls LLC
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001775
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/21/2016
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.922087
Longitude:	-118.39228

CERS:

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	160058
CERS ID:	10341775
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-17-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-18-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291. Staff met at the site with Mr. Vu Nguyen, Environmental Health and Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to

TELEDYNE CONTROLS LLC (Continued) **S106832778**

customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: NEC qualified. No further action required.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 1026
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Type Desc:	Property Owner
Entity Name:	The Wonderful Company LLC
Entity Title:	Not reported
Affiliation Address:	11444 W Olympic Blvd.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90064
Affiliation Phone:	(310) 966-8600

Affiliation Type Desc:	Document Preparer
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 Camino Dos Rios
Affiliation City:	Thousand Oaks
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(805) 373-4545

Affiliation Type Desc:	Operator
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Zip: Not reported
Affiliation Phone: (310) 765-3600

Affiliation Type Desc: Owner/Operator
Entity Name: Teledyne Controls LLC
Entity Title: Operator
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: VU NGUYEN
Entity Title: Not reported
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 843641
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291.

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Staff met at the site with Mr. Vu Nguyen, Environmental Health and Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: NEC qualified. No further action required.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Address:	P.O. Box 1026
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	The Wonderful Company LLC
Entity Title:	Not reported
Affiliation Address:	11444 W Olympic Blvd.
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90064
Affiliation Phone:	(310) 966-8600
Affiliation Type Desc:	Document Preparer
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 Camino Dos Rios
Affiliation City:	Thousand Oaks
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(805) 373-4545

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Type Desc:	Operator
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 765-3600

Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Controls LLC
Entity Title:	Operator
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Teledyne Controls, LLC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	VU NGUYEN
Entity Title:	Not reported
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

HWTS:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902455036
EPA ID:	CAD981407216
Inactive Date:	06/30/2019
Create Date:	04/10/1987
Last Act Date:	08/28/2019
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EL SEGUNDO, CA 90245
Owner Name:	MASOOD HASSAN
Owner Address:	501 CONTINENTAL BLVD
Owner Address 2:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Owner City,State,Zip: EL SEGUNDO, CA 90245
Contact Name: VU NGUYEN
Contact Address: 501 CONTINENTAL BLVD
Contact Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245

NAICS:
EPA ID: CAD981407216
Create Date: 2016-01-12 10:13:23
NAICS Code: 33422
NAICS Description: Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: 2019-06-30 00:00:00
Facility Name: TELEDYNE CONTROLS LLC
Facility Address: 501 CONTINENTAL BLVD
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 902455036

S113 **RCRA NonGen / NLR** **1025875326**
SE **501 CONTINENTAL BLVD** **CAL000448460**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.234 mi.
1238 ft. **Site 3 of 3 in cluster S**

Relative:
Higher

Actual:
118 ft.

RCRA NonGen / NLR:
Date form received by agency: 2019-08-27 00:00:00.0
Facility name: Not reported
Facility address: 501 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
EPA ID: CAL000448460
Contact: VU NGUYEN
Contact address: 501 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-765-9436
Contact email: VU.NGUYEN@TELEDYNE.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: VU NGUYEN
Owner/operator address: 501 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-765-9436
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

(Continued) **1025875326**

Owner/operator name: TELEDYNE TECHNOLOGIES INC
Owner/operator address: 1049 CAMINO DOS RIOS
THOUSAND OAKS, CA 91360
Owner/operator country: Not reported
Owner/operator telephone: 310-765-9436
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Not reported
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

T114 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S104538245**
NNE **930 N SELBY ST** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.246 mi.
1298 ft. **Site 1 of 2 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 930 N SELBY ST
City: EL SEGUNDO
Status: Active
Comp Number: 13537
Number: 9
Board Of Equalization: 44-010180
Referral Date: 12-01-89
Action Date: 12-01-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013537-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

HUGHES AIRCRAFT CO SCG (Continued) **S104538245**

Name:	HUGHES AIRCRAFT CO SCG
Address:	930 N SELBY ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	13537
Number:	9
Board Of Equalization:	44-010180
Referral Date:	12-01-89
Action Date:	12-01-89
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013537-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	HUGHES AIRCRAFT CO SCG
Address:	930 N SELBY ST
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	013225-013537
Facility Type:	0
Facility Status:	Closed
Area:	2N
Permit Number:	00005165T
Permit Status:	Closed

T115 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261123**
NNE **930 N. SELBY STREET** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.246 mi.
1298 ft. **Site 2 of 2 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

EL SEGUNDO UST:

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	930 N. SELBY STREET
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

U116 **NORTHROP CORP/AIRCRAFT DIV** **CA ENVIROSTOR** **S118757503**
ESE **2043 E MARIPOSA AVE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.300 mi.
1586 ft. **Site 1 of 2 in cluster U**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Facility ID:	80001309
Status:	No Action Required
Status Date:	03/14/2014
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92467
Longitude:	-118.3895
APN:	4138019002, 4138028004
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	4138028004
Alias Type:	APN
Alias Name:	CAD000627216
Alias Type:	EPA Identification Number
Alias Name:	80001309
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/06/1990
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/19/2010
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

NORTHROP CORP/AIRCRAFT DIV (Continued) **S118757503**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

U117 **NORTHROP CORP AIRCRAFT DIV** **SEMS-ARCHIVE** **1000409954**
ESE **2043 E MARIPOSA AVENUE** **CORRACTS** **CAD000627216**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.300 mi. **RCRA NonGen / NLR**
1586 ft. **Site 2 of 2 in cluster U** **CA EMI**
CA HAZNET
Relative: **CA LOS ANGELES CO. HMS**
Lower **CA HWP**
CA CERS
Actual: **CA HWTS**
107 ft.

SEMS Archive:

Site ID:	0900299
EPA ID:	CAD000627216
Name:	NORTHROP CORP AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-06-06 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Start Date:	Not reported
Finish Date:	1990-06-06 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1990-05-08 04:00:00
Finish Date:	1990-05-08 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

CORRACTS:

EPA ID:	CAD000627216
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	1990-06-06 00:00:00.0
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	336411 Aircraft Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

RCRA-TSDF:

Date form received by agency:	1993-09-10 00:00:00.0
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2043 E MARIPOSA AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAD000627216
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-06-06 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1989-05-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Transporters - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

RCRA NonGen / NLR:

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Date form received by agency: 1993-09-10 00:00:00.0
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-06-06 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1989-05-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Transporters - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

EMI:
Name: NORTHROP CORP, AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 46825
Air District Name: SC
SIC Code: 3761
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: NORTHROP CORP, AIRCRAFT DIV AU
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 46825
Air District Name: SC
SIC Code: 3812
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HAZNET:

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 902450000
Contact:	-GERALD BROWN ENV. ENG.
Telephone:	2139704704
Mailing Name:	Not reported
Mailing Address:	ONE NORTHROP AVE MS 5782/18
Year:	1994
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	0.19
Year:	1992
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H01 - Transfer Station
Tons:	0.3775
Year:	1992
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.35
Year:	1992
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H01 - Transfer Station
Tons:	1.02
Year:	1992
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	-
Tons:	0.0325
Year:	1992
Gepaid:	CAD000627216
TSD EPA ID:	CAD980880959
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	14 -
Tons:	0.0625

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Year: 1992
Gepaid: CAD000627216
TSD EPA ID: CAD980880959
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station
Tons: 0.275

Year: 1992
Gepaid: CAD000627216
TSD EPA ID: CAD980880959
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: 14 -
Tons: 0.115

Year: 1992
Gepaid: CAD000627216
TSD EPA ID: CAD980880959
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.136

Year: 1992
Gepaid: CAD000627216
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: 4.25

Click this hyperlink while viewing on your computer to access
93 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1994
Gen EPA ID: CAD000627216

Shipment Date: 19940928
Creation Date: 10/18/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 89956652
Trans EPA ID: Not reported
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980880959
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Disposal Method: - Not reported
Quantity Tons: 0.19
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES CO. HMS:
Name: NORTHROP CORP-AU FACILITY
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 015796-016908
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 0000T6346
Permit Status: Closed

HWP:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAD000627216
Cleanup Status: CLOSED
Latitude: 33.92467
Longitude: -118.3895
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/23/1988

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/31/1989

Closure:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

CERS:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 193510
CERS ID: CAD000627216
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: NORTHROP CORPORATION
Entity Title: Not reported
Affiliation Address: 1840 CENTURY PARK EAST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900670000
Affiliation Phone: 3105536262

Affiliation Type Desc: Facility Contact
Entity Name: -GERALD BROWN ENV. ENG.
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 2139704704

Name: MATTEL (WAREHOUSE)
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 561740
CERS ID: 10591441
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 561740
Site Name: Mattel (warehouse)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 12/04/2017. The business failed to establish

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

	and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	10-29-2014
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 11/14/2014. Must submit site map into CERs by Nov. 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	10-29-2014
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 11/14/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	561740
Site Name:	Mattel (warehouse)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 12/04/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	561740

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Site Name: Mattel (warehouse)
Violation Date: 09-19-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 12/04/2017. The business failed to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 561740
Facility Name: Mattel (warehouse)
Env Int Type Code: HMBP
Program ID: 10591441
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.924680
Longitude: -118.389560

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2043 E Mariposa Ave, TWR 5-4
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Affiliation Type Desc:	Document Preparer
Entity Name:	Shameka Lewis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Toni Powell
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Shameka Lewis
Entity Title:	EH&S Sr Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Legal Owner
Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	2043 E Mariposa Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Affiliation Zip: 90245
Affiliation Phone: (310) 252-4500

Affiliation Type Desc: Operator
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-2000

Name: NORTHROP CORP/AIRCRA
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 371416
CERS ID: 80001309
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: NOEL SHRUM
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 902450000
EPA ID: CAD000627216
Inactive Date: 04/15/1994
Create Date: 07/23/1982
Last Act Date: 09/14/2004
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing Address 2: Not reported
Mailing City,State,Zip: HAWTHORNE, CA 902500000
Owner Name: NORTHROP CORPORATION
Owner Address: 1840 CENTURY PARK EAST
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900670000
Contact Name: -GERALD BROWN ENV. ENG.
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

V118 **THE BOEING COMPANY** **SEMS-ARCHIVE** **1000240982**
NNE **1920 E IMPERIAL HWY** **CORRACTS** **CAD060897063**
1/4-1/2 **EL SEGUNDO, CA** **RCRA-TSDF**
0.309 mi. **RCRA-LQG**
1632 ft. **Site 1 of 2 in cluster V** **US INST CONTROLS**
CA CERS HAZ WASTE
Relative: **CA SWEEPS UST**
Lower **US FIN ASSUR**
2020 COR ACTION
Actual: **CA ICE**
106 ft. **CA LOS ANGELES CO. HMS**
CA HWP
CA CERS

SEMS Archive:

Site ID:	0903305
EPA ID:	CAD060897063
Name:	HUGHES AIRCRAFT CO S&CG
Address:	1920 E IMPERIAL HWY
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0903305
EPA ID:	CAD060897063
Site Name:	HUGHES AIRCRAFT CO S&CG
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903305
EPA ID:	CAD060897063
Site Name:	HUGHES AIRCRAFT CO S&CG
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1990-08-24 04:00:00
Finish Date:	1990-08-24 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0903305

THE BOEING COMPANY (Continued) **1000240982**

EPA ID: CAD060897063
Site Name: HUGHES AIRCRAFT CO S&CG
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-03-08 05:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-07 00:00:00.0
Action: CA999RM - Corrective Action Process Terminated, Remedial Activities Completed
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2017-06-12 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-06 00:00:00.0
Action: CA550RC
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2017-06-11 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-04-28 00:00:00.0
Schedule end date: 2017-06-10 00:00:00.0

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-06-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-06-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2016-04-19 00:00:00.0
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-04-24 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-27 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2013-06-08 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-13 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2010-09-21 00:00:00.0
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-07-31 00:00:00.0
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private

THE BOEING COMPANY (Continued) **1000240982**

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W S01 D381
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-416-5680
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-18 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-08-21 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2010-06-22 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2008-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2006-02-23 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2004-02-27 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 1994-03-31 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

THE BOEING COMPANY (Continued) **1000240982**

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	1107
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	141821
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	8132
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	1028
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	2088
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	49159
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	10402
Waste code:	F001
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

THE BOEING COMPANY (Continued) **1000240982**

Amount (Lbs): 118

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:

Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-02-27 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 1992-06-01 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

THE BOEING COMPANY (Continued) **1000240982**

Event date: 1992-08-14 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 1992-08-14 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 2010-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-13 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-27 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-04-19 00:00:00.0
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-06 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2017-06-07 00:00:00.0
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2013-08-20 00:00:00.0
Date achieved compliance: 2013-09-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2006-05-16 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2006-05-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-06-30 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2004-08-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1996-02-22 00:00:00.0
Date achieved compliance: 1997-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1996-02-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-04-29 00:00:00.0
Date achieved compliance: 1994-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-04-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-04-09 00:00:00.0
Date achieved compliance: 1993-05-19 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1992-12-22 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1988-05-02 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-03-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-02-08 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-03-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1996-01-25 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1997-01-01 00:00:00.0
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 1994-04-28 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1994-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-04-09 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1988-05-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-07-31 00:00:00.0
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

THE BOEING COMPANY (Continued) **1000240982**

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	PO BOX 92919 W S01 D381
	LOS ANGELES, CA 90009
Owner/operator country:	US
Owner/operator telephone:	310-416-5680
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2000-10-06 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	E IMPERIAL HWY
	EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	310-345-8778
Owner/operator email:	JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	E IMPERIAL HWY
	EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	310-345-8778
Owner/operator email:	JERROD.J.NEWLANDER@BOEING.COM

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-18 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-08-21 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2010-06-22 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2008-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2006-02-23 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2004-02-27 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

Date form received by agency: 2002-03-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 1994-03-31 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

THE BOEING COMPANY (Continued) **1000240982**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

THE BOEING COMPANY (Continued) **1000240982**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 1107

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 141821

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 8132

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1028

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2088

Waste code: D008
Waste name: LEAD
Amount (Lbs): 49159

Waste code: D011
Waste name: SILVER
Amount (Lbs): 10402

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 118

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

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MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:

Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-02-27 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 1992-06-01 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1992-08-14 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 1992-08-14 00:00:00.0

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Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 2010-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-13 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-27 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-04-19 00:00:00.0
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-06 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2017-06-07 00:00:00.0
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2013-08-20 00:00:00.0
Date achieved compliance: 2013-09-20 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2006-05-16 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2006-05-18 00:00:00.0
Enf. disposition status: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-06-30 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 2004-08-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1996-02-22 00:00:00.0
Date achieved compliance: 1997-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1996-02-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-04-29 00:00:00.0
Date achieved compliance: 1994-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-04-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-04-09 00:00:00.0
Date achieved compliance: 1993-05-19 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1992-12-22 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1988-05-02 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1988-03-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-02-08 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-03-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1996-01-25 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1997-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-04-28 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1994-06-01 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 1993-04-09 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: FINAL 3008(A) COMPLIANCE ORDER
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1988-05-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

US INST CONTROLS:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Site ID: Not reported
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Action Completion Date: Not reported
Actual Date: Not reported
Contaminated Media: Not reported
Event Code: CA772PR
Contact Name: JERROD NEWLANDER
Contact Telephone: 310-345-8778
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

CERS HAZ WASTE:
Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Chemical Management

THE BOEING COMPANY (Continued) **1000240982**

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Waste Generator

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 13534
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013534-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

US FIN ASSUR:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA
EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 403000
Face value: 424000
Effective date: 2011-03-09 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA
EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT

THE BOEING COMPANY (Continued) **1000240982**

Cost estimate: 8000000
Face value: 8000000
Effective date: 2007-04-27 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA
EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 403000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA
EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 8000000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

2020 COR ACTION:
EPA ID: CAD060897063
Region: 9
Action: Remedy Construction

ICE:
Envirostor ID: 3000044
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD060897063
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/30/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/01/2013
Violation Class: No Violations
RTC Date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/06/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/23/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2004
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/28/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/23/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/16/2006
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/20/2010

THE BOEING COMPANY (Continued) **1000240982**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/20/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/15/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/17/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2008
Violation Class: No Violations
RTC Date: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013223-013534
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005161T
Permit Status: Closed

THE BOEING COMPANY (Continued) **1000240982**

HWP:

Name:	THE BOEING COMPANY
Address:	1920 E IMPERIAL HWY
City,State,Zip:	EL SEGUNDO, CA 902452701
EPA Id:	CAD060897063
Cleanup Status:	CLOSED
Latitude:	33.93048
Longitude:	-118.3946
Facility Type:	Historical - Non-Operating
Facility Size:	Small Storage
Team:	EDWARD NIETO
Supervisor:	HAI-YONG KANG
Site Code:	300215
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD060897063
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	04/13/1983
EPA Id:	CAD060897063
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/18/1980
EPA Id:	CAD060897063
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description:	New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date:	12/03/1990
EPA Id:	CAD060897063
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description:	New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date:	12/10/1990
EPA Id:	CAD060897063
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description:	Renewal - With Changes - APPLICATION PART A RECEIVED

THE BOEING COMPANY (Continued) **1000240982**

Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 11/30/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 12/02/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/06/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 04/10/2017

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 10/16/2006

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 06/02/2002

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/14/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 10/13/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 04/10/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/30/1992

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/06/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 01/28/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/01/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 11/05/1991

Closure:
EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/08/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN7-S34
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/15/2014

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/19/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/21/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

THE BOEING COMPANY (Continued) **1000240982**

Unit Names: TANKSTR1-S13
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/27/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/24/1996

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 12/07/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/15/1992

Alias:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609672

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300215

CERS:
Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 02-23-2017
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 03/23/2017. Failure to store hazardous waste in a manner that protects from a release. The plating process line had drag-out liquid collecting on the containment floor. The facility is not meeting the DTSC's guideline for wet floor management at plating facilities. Any spills in the plating area shall be removed by the end of each shift. The facility shall follow the wet floor guidance document. The document can be found at www.dtsc.ca.gov.

THE BOEING COMPANY (Continued) **1000240982**

Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	11-12-2019
Citation:	HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description:	Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes:	Above ground Hazardous Waste Tank system (fiberglass) Containing corrosive liquids located in the S15 was observed with an accumulation start date and a manifest/receipt demonstrating disposal within the past 90 days was not available. facility must develop written procedures to verify hazardous waste is disposed without exceeding the 90 day time limit or provide documentation demonstrating the 90 day limit is not exceeded.
Violation Division:	El Segundo City Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	02-23-2017
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 03/13/2017. The inspection log did not have any records for the month of February, 2017. Failure to document daily inspections of the waste tanks. The facility did not have any inspections records for the daily tank inspections for the month of February. There were good records for all other past months. The tanks shall be inspected each day of operation and those inspections shall be documented.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	11-12-2019
Citation:	22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	Facility has a 5 gal metal container in hazardous waste accumulation bay showing signs of damage and deterioration. Submit photos to the CUPA demonstrating the waste listed above has been transferred into a container that is in good condition or submit a manifest/receipt demonstrating the waste has been properly disposed of by a registered hazardous waste transporter. Facility must repackage the contents of the material or dispose of materials incompliance with Hazardous waste regulations.
Violation Division:	El Segundo City Fire Department

THE BOEING COMPANY (Continued) **1000240982**

Violation Program: HWLQG
Violation Source: CERS

Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 02-23-2017
Citation: 22 CCR 15 66265.196 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.196
Violation Description: Failure to immediately remove from service a tank system or secondary containment system from which there has been a leak, spill, is unfit for use and comply with applicable requirements.
Violation Notes: Returned to compliance on 03/23/2017. Failure to ensure there were no leaks in the tank containment area. Liquid was in the containment area and was being removed. The liquid could have been rainwater or waste water. The containment area shall be kept free of spills and maintained dry.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 11-21-2019
Citation: HSC 6.5 25201 - California Health and Safety Code, Chapter 6.5, Section(s) 25201
Violation Description: Failure to obtain a permit or grant of interim status after generator has accumulated hazardous waste on-site for longer than 90 days.
Violation Notes: above ground Hazardous waste tanks do not have adequate accumulation start date procedures to verify the 90 day limit is not exceeded. Facility needs to provide a protocol to demonstrate that HW accumulated in above ground tank is disposed every 90 days. and tanks are verified empty after disposal
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 08-20-2013
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 09/20/2013. Training documentation required for Clean Harbors.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 11-21-2019
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)
Violation Description: Failure to keep records of any test results, waste analyses, or other determinations made in accordance with section 66262.11 for at least three years from the date that the waste was last sent to on-site or off-site treatment, storage, or disposal.

THE BOEING COMPANY (Continued) **1000240982**

Violation Notes:	Facility's wastewater rinse lab report is missing toxicity determination Provide a complete lab report for wastewater rinse that includes Title 22 Hazardous waste determination including toxicity information
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	11-12-2019
Citation:	22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)
Violation Description:	Failure to keep records of any test results, waste analyses, or other determinations made in accordance with section 66262.11 for at least three years from the date that the waste was last sent to on-site or off-site treatment, storage, or disposal.
Violation Notes:	Facility wastewater analytical results for hazardous waste determination is not complete. Toxicity characterization information and tests not included in the report. Facility needs to provide a complete Title 22 determination od wastewater rinse included toxicity assays.
Violation Division:	El Segundo City Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	08-20-2013
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	RCRA Large Quantity Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/20/2013.
Violation Division:	El Segundo City Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	11-21-2019
Citation:	22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description:	Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes:	5 Gal metal can in Haz. waste area is damaged or deteriorated Facility must disposed or properly transfer contents and submit photo or record of disposal
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The CalARP is complete and no deficiencies were identified.

THE BOEING COMPANY (Continued) **1000240982**

Eval Division: El Segundo City Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: New cyanide plating operations
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility is meeting the requirements for the Business Plan and the information in CERS is current.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: New cyanide plating operations
Eval Division: El Segundo City Fire Department
Eval Program: CalARP

THE BOEING COMPANY (Continued) **1000240982**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-26-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	This inspection was originally conducted on February 22, 2017 with Anu Garg. all items were inspected on the original report and this report is only to meet RCRA reporting requirements.
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-21-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-12-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-20-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspection of new gold cyanide plating line with remote cameras installed for monitoring and remote viewing.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Boeing is a large quantity generator and has closed its TSFD facility.
Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Hazardous wastes generated are stored in concrete bunker
Eval Division:	El Segundo City Fire Department
Eval Program:	HW

THE BOEING COMPANY (Continued) **1000240982**

Eval Source: CERS

Coordinates:
Site ID: 160608
Facility Name: The Boeing Company - S15
Env Int Type Code: CalARP
Program ID: 10206970
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.930390
Longitude: -118.393720

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Anu Garg
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Boeing Satellite System Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: The Boeing Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 345-8781

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Environmental Contact
Entity Name: CRAIG DAVIS
Entity Title: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Anu Garg
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90009-2919
Affiliation Phone:	(310) 345-8781

Name:	THE BOEING COMPANY
Address:	1920 E IMPERIAL HWY
City,State,Zip:	EL SEGUNDO, CA 902452701
Site ID:	216674
CERS ID:	CAD060897063
CERS Description:	Hazardous Waste

Evaluation:

Eval General Type:	Information Request
Eval Date:	05-12-2005
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-28-2009
Violations Found:	No

THE BOEING COMPANY (Continued) **1000240982**

Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2013
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2008
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 02-19-2008
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2005
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-2004
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 06-30-2004
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00

THE BOEING COMPANY (Continued) **1000240982**

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 05-16-2006
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 06-28-2007
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-17-2010
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 08-20-2009
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-17-2000
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2015
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF

THE BOEING COMPANY (Continued) **1000240982**

Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 12-15-2000
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2007
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 07-06-2012
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 07-20-2010
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 10-23-2008
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2008
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection

THE BOEING COMPANY (Continued) **1000240982**

Eval Date: 04-26-2006
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-20-2011
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: JERROD NEWLANDER
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90009
Affiliation Phone: 3103458778

Affiliation Type Desc: Facility Owner
Entity Name: The Boeing Company
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900090000
Affiliation Phone: 3103458778

Name: BOEING SATELLITE SYS
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Site ID: 335217
CERS ID: 80001440
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Affiliation Type Desc:	Lead Project Manager
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

V119 **BOEING SATELLITE SYSTEMS INC** **CA ENVIROSTOR 1006816013**
NNE **1920 E IMPERIAL HWY** **CA DEED N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.309 mi.
1632 ft. **Site 2 of 2 in cluster V**

Relative: **Lower**
Actual: **106 ft.**

ENVIROSTOR:

Name:	BOEING SATELLITE SYSTEMS INC
Address:	1920 E IMPERIAL HWY
City,State,Zip:	EL SEGUNDO, CA 902452701
Facility ID:	80001440
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	12/04/2019
Site Code:	300215
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	52
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93048
Longitude:	-118.3946
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Freon 113
Confirmed COC:	Freon 113
Potential Description:	OTH
Alias Name:	CAD060897063
Alias Type:	EPA Identification Number
Alias Name:	110000609672
Alias Type:	EPA (FRS #)
Alias Name:	300215
Alias Type:	Project Code (Site Code)
Alias Name:	80001440
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/26/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 01/07/2010
Comments: Facility submitted one workplan that was approved as a final on 1/7/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 04/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 07/18/2008
Comments: This is a final addendum workplan 1 with clarifications from previous meetings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/04/2008
Comments: This workplan was approved in Sept. 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/28/2012
Comments: Approved with RFI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/19/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/01/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 08/14/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 11/16/2006
Comments: Signed CACA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: LUC signed by both parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/24/2013
Comments: Cost estimate for 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 06/07/2017
Comments: No further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 06/28/2016
Comments: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2015
Comments: Uploaded and mailed out.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/06/2017
Comments: EI is met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/28/2016
Comments: NOE Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 11/08/2012
Comments: DTSC approves the HRA Report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/07/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/18/2013
Comments: Document reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comments. Results from the report will be used to recommend corrective action termination.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/24/2014
Comments: Not reported

Completed Area Name: Building 17
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/19/2016
Comments: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 02/21/2019
Comments: Corrective action termination completed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

---

120 South 1/4-1/2 0.309 mi. 1634 ft.

JIM & JACK AUTO BODY
307 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S101296171**
CA HIST CORTESE **N/A**
CA CERS

Relative: Lower

Actual: 112 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13092
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704033
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters

JIM & JACK AUTO BODY (Continued) **S101296171**

Date Leak Discovered:	10/2/1989	
Date Leak First Reported:		9/26/1990
Date Leak Record Entered:	12/4/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	10/2/1989	
Date Case Last Changed on Database:		10/8/1992
Date the Case was Closed:		10/8/1992
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	KIZIRIAN, JAMES	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8074.487666780854504297629471
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		10/2/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	KEVORK TEXACO	
RP Address:	1605 GRAND AVE., E., EL SEGUNDO, 90245	
Program:	LUST	
Lat/Long:	33.9193645 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

LUST:

Name:	JIM & JACK AUTO BODY
Address:	307 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704033
Global Id:	T0603704033
Latitude:	33.9193645
Longitude:	-118.3963002
Status:	Completed - Case Closed
Status Date:	10/08/1992
Case Worker:	SHT
RB Case Number:	I-13092

JIM & JACK AUTO BODY (Continued) **S101296171**

Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603704033
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704033
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Stopped

Global Id: T0603704033
Action Type: Other
Date: 09/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704033
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0603704033
Status: Open - Site Assessment
Status Date: 10/02/1989

Global Id: T0603704033
Status: Completed - Case Closed
Status Date: 10/08/1992

JIM & JACK AUTO BODY (Continued) **S101296171**

HIST CORTESE:

edr_fname:	JIM & JACK AUTO BODY
edr_fadd1:	307 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-13092

CERS:

Name:	JIM & JACK AUTO BODY
Address:	307 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	201753
CERS ID:	T0603704033
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

121
ENE
1/4-1/2
0.324 mi.
1712 ft.

Relative:
Lower

Actual:
107 ft.

TETRAFLUOR INC
2051 E MAPLE AV
EL SEGUNDO, CA 90245

CA ENVIROSTOR **1007296071**
CA VCP **N/A**
FTTS
HIST FTTS
CA EMI
CA HAZNET
CA NPDES
CA CIWQS
CA CERS
CA HWTS

ENVIROSTOR:

Name:	TRELLEBORG SEALING SOLUTIONS
Address:	2051 EAST MAPLE AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002935
Status:	Active
Status Date:	01/24/2020

TETRAFLUOR INC (Continued) **1007296071**

Site Code: Not reported
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.22
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jose Diaz
Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Assembly: , 62
Senate: , 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92766
Longitude: -118.3891
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60002935
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 01/24/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: TRELLEBORG SEALING SOLUTIONS
Address: 2051 EAST MAPLE AVENUE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002935
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.22
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jose Diaz

TETRAFLUOR INC (Continued) **1007296071**

Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Assembly: , 62
Senate: , 26
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 01/24/2020
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92766 / -118.3891
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60002935
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 01/24/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

FTTS INSP:
Inspection Number: 199311199002 1
Region: 09
Inspection Date: 11/19/93
Inspector: SKALLO
Violation occurred: No
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 199311199002 1
Region: 09
Inspection Date: Not reported
Inspector: SKALLO
Violation occurred: No
Investigation Type: EPCRA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: EPCRA

TETRAFLUOR INC (Continued) **1007296071**

Facility Function: User

EMI:

Name:	TETRAFLUOR INC
Address:	2051 E MAPLE AV
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	37905
Air District Name:	SC
SIC Code:	2711
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	TRELLEBORG SEALING SOLUTIONS EL SEGUNDO INC
Address:	2051 E MAPLE AVE
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Contact:	KELLY LINN
Telephone:	3104266176
Mailing Name:	Not reported
Mailing Address:	2051 E MAPLE AVE
Year:	2017
Gepaid:	CAL000423595
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3
Year:	2017
Gepaid:	CAL000423595
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.7
Year:	2017
Gepaid:	CAL000423595
TSD EPA ID:	CAD044429835
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

TETRAFLUOR INC (Continued) **1007296071**

Tons: 0.02

Year: 2017
Gepaid: CAL000423595
TSD EPA ID: CAD044429835
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.62

Year: 2017
Gepaid: CAL000423595
TSD EPA ID: CAD044429835
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.62

Year: 2017
Gepaid: CAL000423595
TSD EPA ID: NED981723513
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.0075

Additional Info:
Year: 2017
Gen EPA ID: CAL000423595

Shipment Date: 20171103
Creation Date: 6/13/2018 18:30:39
Receipt Date: 20171120
Manifest ID: 011238838FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
CA Waste Code: 222 - Oil/water separation sludge
RCRA Code: Not reported
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171103
Creation Date: 8/7/2018 18:30:26

TETRAFLUOR INC (Continued) **1007296071**

Receipt Date:	20171129
Manifest ID:	011238835FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D008
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171103
Creation Date:	6/13/2018 18:30:39
Receipt Date:	20171120
Manifest ID:	011238838FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170721
Creation Date:	10/16/2018 18:30:28
Receipt Date:	20170807
Manifest ID:	010551569FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835

TETRAFLUOR INC (Continued) **1007296071**

Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	10/16/2018 18:30:28
Receipt Date:	20170807
Manifest ID:	010551569FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20170731
Manifest ID:	010551567FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D008
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

TETRAFLUOR INC (Continued) **1007296071**

Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	10/16/2018 18:30:28
Receipt Date:	20170807
Manifest ID:	010551569FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170503
Creation Date:	5/30/2018 18:32:07
Receipt Date:	20170503
Manifest ID:	010226742FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

TETRAFLUOR INC (Continued) **1007296071**

Additional Code 5:	Not reported
Shipment Date:	20170503
Creation Date:	5/30/2018 18:32:07
Receipt Date:	20170503
Manifest ID:	010226742FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22
Waste Quantity:	440
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170503
Creation Date:	5/30/2018 18:32:07
Receipt Date:	20170503
Manifest ID:	010226742FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	TRELLEBORG SEALING SOLUTIONS EL SEGUNDO
Address:	2051 EAST MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported

TETRAFLUOR INC (Continued) **1007296071**

NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I027331
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	12/30/2019
Operator Name:	Trelleborg Sealing Solutions El Segundo
Operator Address:	2051 East Maple ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	490203
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I027331
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/06/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Trelleborg Sealing Solutions El Segundo
Discharge Address:	2051 East Maple ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported

TETRAFLUOR INC (Continued) **1007296071**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TRELLEBORG SEALING SOLUTIONS EL SEGUNDO
Address:	2051 EAST MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	490203
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I027331

TETRAFLUOR INC (Continued) **1007296071**

Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/06/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2051 East Maple ave
Discharge Name:	Trelleborg Sealing Solutions El Segundo
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	490203
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I027331
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/06/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Trelleborg Sealing Solutions El Segundo
Discharge Address:	2051 East Maple ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

TETRAFLUOR INC (Continued) **1007296071**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	TRELLEBORG SEALING SOLUTIONS EL SEGUNDO
Address:	2051 EAST MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Trelleborg Sealing Solutions El Segundo
Agency Address:	2051 East Maple ave, El Segundo, CA 90245
Place/Project Type:	Industrial - Plastics Products, NEC
SIC/NAICS:	3089
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I027331
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	09/06/2017
Termination Date:	02/10/2020

TETRAFLUOR INC (Continued) **1007296071**

Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.927096
Longitude:	-118.389287

CERS:

Name:	COORSTEK INC
Address:	2051 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	21656
CERS ID:	90245CRSTK251EM
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Peter Nguyen
Entity Title:	Plant Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Company
Entity Name:	COORSTEK INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	Peter Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3103228030

Affiliation Type Desc:	Technical Contact
Entity Name:	kelly linn
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245

TETRAFLUOR INC (Continued) **1007296071**

Affiliation Phone: 3103501811

Name: TRELLEBORG SEALING SOLUTIONS EL SEGUNDO
Address: 2051 EAST MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 545056
CERS ID: 858249
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compppliance
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Trelleborg Sealing Solutions El Segundo
Entity Title: Operator
Affiliation Address: 2051 East Maple ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

HWTS:
Name: TRELLEBORG SEALING SOLUTIONS EL SEGUNDO INC
Address: 2051 E MAPLE AVE
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAL000423595
Inactive Date: Not reported
Create Date: 12/29/2016
Last Act Date: 10/17/2018
Mailing Name: Not reported
Mailing Address: 2051 E MAPLE AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: EL SEGUNDO, CA 90245
Owner Name: TRELLEBORG SEALING SOLUTIONS
Owner Address: 2051 E MAPLE AVE
Owner Address 2: Not reported
Owner City,State,Zip: EL SEGUNDO, CA 90245
Contact Name: KELLY LINN
Contact Address: 2051 E MAPLE AVE
Contact Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245

NAICS:
EPA ID: CAL000423595
Create Date: 2016-12-29 11:46:45

TETRAFLUOR INC (Continued) **1007296071**

NAICS Code:	327113
NAICS Description:	Porcelain Electrical Supply Manufacturing
Issued EPA ID Date:	2016-12-29 11:46:45
Inactive Date:	Not reported
Facility Name:	TRELLEBORG SEALING SOLUTIONS EL SEGUNDO INC
Facility Address:	2051 E MAPLE AVE
Facility Address 2:	Not reported
Facility City:	EL SEGUNDO
Facility County:	19
Facility State:	CA
Facility Zip:	90245

W122 **MATTEL INC** **CA LUST** **1000819588**
SSE **1955 E GRAND AVE** **RCRA NonGen / NLR** **CAD983655804**
1/4-1/2 **EL SEGUNDO, CA 90245** **ECHO**
0.355 mi. **CA EMI**
1877 ft. **Site 1 of 2 in cluster W** **CA HIST CORTESE**
CA CERS

Relative:
Lower

Actual:
116 ft.

LUST:

Name:	GLOBAL SOLUTIONS
Address:	1955 GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701269
Global Id:	T0603701269
Latitude:	33.920641
Longitude:	-118.39318
Status:	Completed - Case Closed
Status Date:	02/02/1998
Case Worker:	SHT
RB Case Number:	902450089
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603701269
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603701269
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov

MATTEL INC (Continued) **1000819588**

Phone Number: Not reported

LUST:
Global Id: T0603701269
Action Type: Other
Date: 12/31/1997
Action: Leak Reported

LUST:
Global Id: T0603701269
Status: Open - Case Begin Date
Status Date: 12/31/1997

Global Id: T0603701269
Status: Completed - Case Closed
Status Date: 02/02/1998

RCRA NonGen / NLR:
Date form received by agency: 1999-04-01 00:00:00.0
Facility name: MATTEL INC
Facility address: 1955 E GRAND AVE
EL SEGUNDO, CA 90245-5012
EPA ID: CAD983655804
Mailing address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: COZETTA MIGUELENA
Contact address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-252-5524
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5524
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: TONI POWELL
Owner/operator address: 333 CONTINENTAL BLVD TWR 0501
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5475

MATTEL INC (Continued) **1000819588**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5475
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-12-29 00:00:00.0
Site name: MATTEL INC
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

MATTEL INC (Continued) **1000819588**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

ECHO:

Envid:	1000819588
Registry ID:	110002889875
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002889875
Name:	MATTEL INC
Address:	1955 GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245

EMI:

Name:	UNITED AIRLINES INC
Address:	1955 E GRAND AV
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	4042
Air District Name:	SC
SIC Code:	6512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNITED AIRLINES INC
Address:	1955 E GRAND AV
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	4042

MATTEL INC (Continued) **1000819588**

Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2004

MATTEL INC (Continued) **1000819588**

County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02919
Reactive Organic Gases Tons/Yr:	0.01
Carbon Monoxide Emissions Tons/Yr:	0.1503
NOX - Oxides of Nitrogen Tons/Yr:	0.224
SOX - Oxides of Sulphur Tons/Yr:	0.001901
Particulate Matter Tons/Yr:	0.01675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

MATTEL INC (Continued) **1000819588**

HIST CORTESE:
edr_fname: GLOBAL SOLUTIONS
edr_fadd1: 1955 GRAND
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902450089

CERS:
Name: MATTEL CONFERENCE AND LEADERSHIP CENTER (MCLC)
Address: 1955 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 133450
CERS ID: 10594501
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 10-29-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450

MATTEL INC (Continued) **1000819588**

Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 10-29-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by November 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/11/2017. Facility failed to provide a valid CUPA permit for this site when using, storing or handling hazardous materials at or above reportable Threshold quantities facility needs to obtain a valid CUPA Permit for the site
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit

MATTEL INC (Continued) **1000819588**

an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please submit site map and chemical inventory into CERs by Nov. 14.

MATTEL INC (Continued) **1000819588**

Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 133450
Facility Name: Mattel Conference and Leadership Center (MCLC)
Env Int Type Code: HMBP
Program ID: 10594501
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.920640
Longitude: -118.393180

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-3854

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Toni Powell
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd TWR 0501
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation

MATTEL INC (Continued) **1000819588**

Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Mattel Inc
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd TWR 0501
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 252-3854
Affiliation Type Desc:	Identification Signer
Entity Name:	Shameka Lewis
Entity Title:	EH&S Sr Supervisor
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

W123 **GLOBAL SOLUTIONS** **CA LUST S103285662**
SSE **1955 GRAND AVE** **CA CERS N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.355 mi.
1877 ft. **Site 2 of 2 in cluster W**

Relative: **Lower**
Actual: **116 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701269	

GLOBAL SOLUTIONS (Continued) **S103285662**

W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/31/1997
Date Leak Record Entered:	5/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/2/1998
Date the Case was Closed:		2/2/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7732.533116976584544896281612
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GLOBAL SOLUTIONS	
RP Address:	2700 COMBELLACK DR, SIGNAL HILL, CA 90806	
Program:	LUST	
Lat/Long:	33.9195106 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CERS:

Name:	GLOBAL SOLUTIONS
Address:	1955 GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	259011
CERS ID:	T0603701269
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

GLOBAL SOLUTIONS (Continued) **S103285662**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

124
SW
1/4-1/2
0.365 mi.
1925 ft.

Relative:
Higher

Actual:
120 ft.

INERNATIONAL RECTIFIER
1521 GRAND AVE
EL SEGUNDO, CA 90245

SEMS-ARCHIVE **1000216983**
RCRA-LQG **CAD076208313**
CA LUST
CA SWEEPS UST
CA HIST UST
US AIRS
FINDS
ECHO
CA HIST CORTESE
WI MANIFEST

SEMS Archive:

Site ID:	0905276
EPA ID:	CAD076208313
Name:	INTERNATIONAL RECTIFIER
Address:	233 KANSAS ST.
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-09-24 04:00:00

INERNATIONAL RECTIFIER (Continued) **1000216983**

Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-09-24 04:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1995-08-23 04:00:00
Finish Date:	1995-08-23 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf

RCRA-LQG:

Date form received by agency:	2008-04-17 00:00:00.0
Facility name:	INTERNATIONAL RECTIFIER
Facility address:	233 KANSAS STREET EL SEGUNDO, CA 90245
EPA ID:	CAD076208313
Contact:	DIANE E NIX
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	310-726-8291
Contact email:	DNIX1@IRF.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting

INERNATIONAL RECTIFIER (Continued) **1000216983**

from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	INTERNATIONAL RECTIFIER
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1948-01-01 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	INTERNATIONAL RECTFIER
Owner/operator address:	233 KANSAS STREET
	EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1948-01-01 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2007-04-06 00:00:00.0
Site name:	INTERNATIONAL RECTIFIER
Classification:	Large Quantity Generator

Date form received by agency:	2006-02-28 00:00:00.0
Site name:	INTERNATIONAL RECTIFIER
Classification:	Large Quantity Generator

INERNATIONAL RECTIFIER (Continued) **1000216983**

Date form received by agency: 2004-03-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: INTERNATIONAL RECTIFIER CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 1996-02-23 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 1994-03-29 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 1992-02-14 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008

INERNATIONAL RECTIFIER (Continued) **1000216983**

. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Violation Status: No violations found

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 908130489
Status: Remedial action (cleanup) Underway
Substance: Waste Water
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701959
W Global ID: Not reported
Staff: UNK
Local Agency: 19060
Cross Street: CASPIAN
Enforcement Type: Not reported
Date Leak Discovered: 2/27/1990
Date Leak First Reported: 6/6/1990
Date Leak Record Entered: 6/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 2/27/1990
Date Case Last Changed on Database: 6/6/1990
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: Overfill
Leak Source: Other Source
Operator: OLD CASE #960119-01
Water System: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Well Name: Not reported
Approx. Dist To Production Well (ft): 15746.384384197494096821245649
Source of Cleanup Funding: Other Source
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 2/27/1990
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PRINT L.A. INC.
RP Address: 1520 16TH ST., W., LONG BEACH, 90813
Program: LUST
Lat/Long: 33.7870927 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9

INERNATIONAL RECTIFIER (Continued) **1000216983**

Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000019020
Facility Type: Other
Other Type: SEMICONDUCTOR
Contact Name: ROBERT H. SMITH
Telephone: 2133223331
Owner Name: INTERNATIONAL RECTIFIER
Owner Address: 233 KANSAS ST.
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0003

Tank Num: 001
Container Num: 5755
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: WASTE
Type of Fuel: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 002
Container Num: 5754
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: 10

Tank Num: 003
Container Num: 5753
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-23 00:00:00

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR

INERNATIONAL RECTIFIER (Continued) **1000216983**

Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

INERNATIONAL RECTIFIER (Continued) **1000216983**

Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:
Registry ID: 110064159119
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110064159119

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR MINOR

INERNATIONAL RECTIFIER (Continued) **1000216983**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000216983
Registry ID:	110064159119
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064159119
Name:	INERNATIONAL RECTIFIER
Address:	1521 GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 90245

HIST CORTESE:

edr_fname:	PRINT L.A. INC
edr_fadd1:	1520 016TH
City,State,Zip:	LONG BEACH, CA 90813
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	908130489

WI MANIFEST:

Name:	INTERNATIONAL RECTFIER
Address:	233 KANSAS STREET
City,State,Zip:	IL SEGUNDO, CA 90245
Year:	2006
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Name:	INTERNATIONAL RECTFIER
Address:	233 KANSAS STREET
City,State,Zip:	IL SEGUNDO, CA 90245
Year:	2005
EPA ID:	CAD076208313
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

125
NE
1/4-1/2
0.365 mi.
1926 ft.

Relative:
Lower

Actual:
105 ft.

RAYTHEON COMPANY SAS
2000 E. IMPERIAL HWY
EL SEGUNDO, CA 90245

Database(s): RCRA-LQG, CA LUST, CA SWEEPS UST, CA HIST UST, FINDS, ECHO, CA HIST CORTESE, LA Co. Site Mitigation, CA CERS

EDR ID Number: 1000241015
EPA ID Number: CAD981571714

RCRA-LQG:

Date form received by agency:	2018-03-01 00:00:00.0
Facility name:	RAYTHEON COMPANY SAS
Facility address:	2000 E. IMPERIAL HWY EL SEGUNDO, CA 90245-0000
EPA ID:	CAD981571714
Mailing address:	E. EL SEGUNDO BLVD EL SEGUNDO, CA 90245
Contact:	JAYALAKSHMI M MOHAN
Contact address:	E. EL SEGUNDO BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	301-647-1204
Contact email:	MANJU.MOHAN@RAYTHEON.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-18 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM

RAYTHEON COMPANY SAS (Continued) **1000241015**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1997-12-18 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON CO
Owner/operator address: 141 SPRING ST
LEXINGTON, MA 02173
Owner/operator country: Not reported
Owner/operator telephone: 781-860-2590
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0

RAYTHEON COMPANY SAS (Continued) **1000241015**

Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Small Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1986-09-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

RAYTHEON COMPANY SAS (Continued) **1000241015**

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

RAYTHEON COMPANY SAS (Continued) **1000241015**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Violation Status: No violations found

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-12326
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603703959
W Global ID: Not reported
Staff: UNK

RAYTHEON COMPANY SAS (Continued) **1000241015**

Local Agency:	19013	
Cross Street:	HUGHES WY	
Enforcement Type:	Not reported	
Date Leak Discovered:	3/20/1989	
Date Leak First Reported:		3/9/1988
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	3/20/1989	
Date Case Last Changed on Database:		3/26/1999
Date the Case was Closed:		5/12/1999
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	Other Cause	
Leak Source:	Other Source	
Operator:	RADAR SYSTEMS GROUP	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9207.3707001770484487301479 68
Source of Cleanup Funding:		Other Source
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		11/25/1987
Pollution Characterization Began:		7/19/1989
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RAYTHEON SYSTEM CO	
RP Address:	P.O. BOX 3310, FULLERTON, CA 92834	
Program:	LUST	
Lat/Long:	33.9309974 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	2A4	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	TRANSFERRED TO SITE INVESTIGATION UNIT FOR THE OVERSIGHT OF NON-FUEL RELATED CONTAMINATION. TRANSFERRED CASE TO SLIC UNIT	

LUST:

Name:	HUGHES AIRCRAFT
Address:	2000 IMPERIAL HWY E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703959
Global Id:	T0603703959
Latitude:	33.927739
Longitude:	-118.389796

RAYTHEON COMPANY SAS (Continued) **1000241015**

Status: Completed - Case Closed
Status Date: 05/12/1999
Case Worker: YR
RB Case Number: I-12326
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603703959
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603703959
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703959
Action Type: Other
Date: 03/20/1989
Action: Leak Discovery

Global Id: T0603703959
Action Type: Other
Date: 03/20/1989
Action: Leak Stopped

Global Id: T0603703959
Action Type: Other
Date: 03/09/1988
Action: Leak Reported

LUST:
Global Id: T0603703959
Status: Open - Case Begin Date
Status Date: 11/25/1987

Global Id: T0603703959
Status: Open - Site Assessment
Status Date: 11/25/1987

Global Id: T0603703959
Status: Open - Site Assessment

RAYTHEON COMPANY SAS (Continued) **1000241015**

Status Date: 07/19/1989

Global Id: T0603703959
Status: Completed - Case Closed
Status Date: 05/12/1999

SWEEPS UST:
Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Not reported
Comp Number: 12326
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90

RAYTHEON COMPANY SAS (Continued) **1000241015**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1

RAYTHEON COMPANY SAS (Continued) **1000241015**

Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: HUGHES AIRCRAFT CO RADAR SYS
Address: 2000 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00026EA7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EA7.pdf
Region: STATE
Facility ID: 00000029279
Facility Type: Other
Other Type: ELECTRONIC ASSY.
Contact Name: M.A. LIVESAY
Telephone: 2136482077
Owner Name: HUGHES AIRCRAFT CO.
Owner Address: 200 N. SEPULVEDA BLVD.
Owner City,St,Zip: EL SEGUNDO, CA 90009
Total Tanks: 0009

Tank Num: 001
Container Num: R-18-ULG-1
Year Installed: 1983
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: R-19-RG-1
Year Installed: 1974
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 003
Container Num: R-18-ULG-2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

RAYTHEON COMPANY SAS (Continued) **1000241015**

Tank Num:	004
Container Num:	R-5-D-1
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	005
Container Num:	R-5-WS-1
Year Installed:	Not reported
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	006
Container Num:	R-5-D-2
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	007
Container Num:	R-5-D-3
Year Installed:	1977
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	008
Container Num:	R-5-WWSC-1
Year Installed:	1975
Tank Capacity:	00002800
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	009
Container Num:	R-17-D-1
Year Installed:	Not reported
Tank Capacity:	00000150
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

RAYTHEON COMPANY SAS (Continued) **1000241015**

FINDS:
Registry ID: 110002333975
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110002333975

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241015
Registry ID: 110002333975
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002333975
Name: RAYTHEON COMPANY SAS
Address: 2000 E. IMPERIAL HIGHWAY
City,State,Zip: EL SEGUNDO, CA 90245

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT
edr_fadd1: 2000 IMPERIAL
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-12326

LA Co. Site Mitigation:
Name: HUGHES AIRCRAFT/RADAR SYSTEM
Address: 2000 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Status: Not reported
Site ID: SD0010178
Jurisdiction: Not reported
Case ID: RO0000441
Abated: Yes
Assigned To: EM
Entered Date: Not reported
Abated Date: 03/27/1989

CERS:
Name: HUGHES AIRCRAFT
Address: 2000 IMPERIAL HWY E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 239377
CERS ID: T0603703959
CERS Description: Leaking Underground Storage Tank Cleanup Site

RAYTHEON COMPANY SAS (Continued) **1000241015**

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

X126 **CITY OF EL SEGUNDO** **CA LUST S105245837**
SSW **150 ILLINOIS ST** **CA SWEEPS UST N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.378 mi.
1994 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
114 ft.

LUST REG 4:

Region:	4		
Regional Board:	04		
County:	Los Angeles		
Facility Id:	R-20565		
Status:	Leak being confirmed		
Substance:	1		
Substance Quantity:	Not reported		
Local Case No:	Not reported		
Case Type:	Soil		
Abatement Method Used at the Site:		Not reported	
Global ID:	T0603705310		
W Global ID:	Not reported		
Staff:	UNK		
Local Agency:	19013		
Cross Street:	Not reported		
Enforcement Type:	Not reported		
Date Leak Discovered:	Not reported		
Date Leak First Reported:		7/1/1986	
Date Leak Record Entered:	12/31/1986		
Date Confirmation Began:	7/1/1986		
Date Leak Stopped:	Not reported		
Date Case Last Changed on Database:		8/19/1987	
Date the Case was Closed:		Not reported	
How Leak Discovered:	Not reported		
How Leak Stopped:	Not reported		
Cause of Leak:	UNK		
Leak Source:	UNK		
Operator:	HILTON, JACK		

CITY OF EL SEGUNDO (Continued) **S105245837**

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7644.2494960799073652181337702
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CITY OF EL SEGUNDO
RP Address: 150 ILLINOIS STREET, EL SEGUNDO, CA 90245
Program: LUST
Lat/Long: 33.9169335 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045

CITY OF EL SEGUNDO (Continued) **S105245837**

Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST

CITY OF EL SEGUNDO (Continued) **S105245837**

City:	EL SEGUNDO
Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000005
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CITY OF EL SEGUNDO, EQUIP MAINT
Address:	150 ILLINOIS ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010045-000006
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

X127 **BERGAN BRUNSWICK** **CA LUST** **S100224384**
SSW **150 ILLINOIS** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.378 mi. **CA CERS**
1994 ft. **Site 2 of 2 in cluster X**

Relative: **Lower**

Actual: **114 ft.**

LUST:

Name:	CITY OF EL SEGUNDO
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705310
Global Id:	T0603705310
Latitude:	33.9171671
Longitude:	-118.3982757
Status:	Completed - Case Closed
Status Date:	07/26/2006
Case Worker:	SHT
RB Case Number:	R-20565

BERGAN BRUNSWICK (Continued) **S100224384**

Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603705310
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705310
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705310
Action Type: Other
Date: 07/01/1986
Action: Leak Reported

LUST:
Global Id: T0603705310
Status: Open - Case Begin Date
Status Date: 07/01/1986

Global Id: T0603705310
Status: Open - Site Assessment
Status Date: 07/01/1986

Global Id: T0603705310
Status: Completed - Case Closed
Status Date: 07/26/2006

CHMIRS:
Name: Not reported
Address: 150 ILLINOIS
City,State,Zip: EL SEGUNDO, CA 90245-4311
OES Incident Number: 991567
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **30-SEP-88**
Property Use: 600

BERGAN BRUNSWICK (Continued) **S100224384**

Agency Id Number:	19065
Agency Incident Number:	13696
Time Notified:	1323
Time Completed:	1448
Surrounding Area:	700
Estimated Temperature:	80
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	10
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	O'BRIEN
Report Date:	30-SEP-88
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	30-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

BERGAN BRUNSWICK (Continued) **S100224384**

Comments: N
Description: Not reported

HIST CORTESE:
edr_fname: CITY OF EL SEGUNDO
edr_fadd1: 150 ILLINOIS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-20565

edr_fname: BERGAN BRUNSWICK
edr_fadd1: 150 ILLINOIS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 263

CERS:
Name: CITY OF EL SEGUNDO
Address: 150 ILLINOIS ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 207825
CERS ID: T0603705310
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y128 **HUGHES BLDG R-18/S-48** **CA LUST** **S103281960**
NNE **2030 IMPERIAL HWY E** **CA HIST CORTESE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA CERS**
0.379 mi.
2003 ft. **Site 1 of 5 in cluster Y**

Relative: **Lower**

Actual: **104 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450061	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701267	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/17/1997	
Date Leak First Reported:		9/17/1997
Date Leak Record Entered:	1/5/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/17/1997
Date the Case was Closed:		10/24/1997
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		10004.707994298218613176074749
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		2
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO	
RP Address:	P.O. BOX 3310, TC16/B108, FULLERTON, CA 92834	
Program:	LUST	
Lat/Long:	33.9306133 / -1	
Local Agency Staff:	SHT	

HUGHES BLDG R-18/S-48 (Continued) **S103281960**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: MTBE

LUST:
Name: HUGHES BLDG R-18/S-48
Address: 2030 IMPERIAL HWY E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701267
Global Id: T0603701267
Latitude: 33.9308304
Longitude: -118.3912995
Status: Completed - Case Closed
Status Date: 10/24/1997
Case Worker: SHT
RB Case Number: 902450061
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701267
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603701267
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701267
Action Type: Other
Date: 09/17/1997
Action: Leak Discovery

Global Id: T0603701267
Action Type: Other
Date: 09/17/1997
Action: Leak Reported

HUGHES BLDG R-18/S-48 (Continued) **S103281960**

LUST:
Global Id: T0603701267
Status: Open - Case Begin Date
Status Date: 09/17/1997

Global Id: T0603701267
Status: Completed - Case Closed
Status Date: 10/24/1997

HIST CORTESE:
edr_fname: HUGHES BLDG R-18/S-48
edr_fadd1: 2030 IMPERIAL
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902450061

CERS:
Name: HUGHES BLDG R-18/S-48
Address: 2030 IMPERIAL HWY E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 235233
CERS ID: T0603701267
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Z129 **GARRETT AVIATION SVCS. - CFC AVIATION SVCS.** **CA ENVIROSTOR** **1006824524**
North **6201 W. IMPERIAL HIGHWAY** **CA EMI** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045** **CA HAZNET**
0.407 mi. **CA HAZMAT**
2151 ft. **Site 1 of 3 in cluster Z** **LA Co. Site Mitigation**
CA CERS

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:

Name:	GARRETT AVIATION SVCS. - CFC AVIATION SVCS.
Address:	6201 W. IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	71003574
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93148
Longitude:	-118.4187
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA0000546630
Alias Type:	EPA Identification Number
Alias Name:	110017207618
Alias Type:	EPA (FRS #)
Alias Name:	71003574
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

EMI:

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNC/CFC ACQUISITN
Address: 6201 W IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 108857
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 21
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 11
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2012
County Code: 19
Air Basin: SC
Facility ID: 155828
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.7718617337
Reactive Organic Gases Tons/Yr: 1.67376
Carbon Monoxide Emissions Tons/Yr: 1.58604
NOX - Oxides of Nitrogen Tons/Yr: 1.95648
SOX - Oxides of Sulphur Tons/Yr: 0.08732
Particulate Matter Tons/Yr: 0.044683797
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.04295936512

Name: GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2013
County Code: 19
Air Basin: SC
Facility ID: 155828
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.6604989273

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Reactive Organic Gases Tons/Yr: 2.51259
Carbon Monoxide Emissions Tons/Yr: 1.46672
NOX - Oxides of Nitrogen Tons/Yr: 2.24845
SOX - Oxides of Sulphur Tons/Yr: 0.1075
Particulate Matter Tons/Yr: 0.03498
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.03365262

Name: GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2016
County Code: 19
Air Basin: SC
Facility ID: 155828
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.54234517433
Reactive Organic Gases Tons/Yr: 0.391705877
Carbon Monoxide Emissions Tons/Yr: 1.29
NOX - Oxides of Nitrogen Tons/Yr: 1.65478
SOX - Oxides of Sulphur Tons/Yr: 0.07051
Particulate Matter Tons/Yr: 0.00881393017
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0072335705468

Name: GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Year: 2017
County Code: 19
Air Basin: SC
Facility ID: 155828
Air District Name: SC
SIC Code: 4581
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.75716230816
Reactive Organic Gases Tons/Yr: 0.5544672
Carbon Monoxide Emissions Tons/Yr: 1.26
NOX - Oxides of Nitrogen Tons/Yr: 1.951
SOX - Oxides of Sulphur Tons/Yr: 0.0803326
Particulate Matter Tons/Yr: 0.0123892368
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.010523467328

HAZNET:
Name: LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address: 6201 W IMPERIAL HWY
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900456306
Contact: SHAWN A. BEAVER
Telephone: 3104109605
Mailing Name: Not reported
Mailing Address: 6201 W IMPERIAL HWY

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Year:	2017
Gepaid:	CAL000330366
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.2

Year:	2017
Gepaid:	CAL000330366
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.035

Year:	2017
Gepaid:	CAL000330366
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38

Additional Info:

Year:	2017
Gen EPA ID:	CAL000330366
Shipment Date:	20170920
Creation Date:	6/26/2018 18:30:39
Receipt Date:	20170922
Manifest ID:	017361733JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170424
Creation Date:	7/25/2018 18:30:29
Receipt Date:	20170511
Manifest ID:	017035535JJK

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170424
Creation Date:	5/16/2018 18:30:21
Receipt Date:	20170428
Manifest ID:	017035550JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170131
Creation Date:	5/18/2017 18:32:20
Receipt Date:	20170203
Manifest ID:	016802599JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170131
Creation Date:	5/9/2018 18:31:38
Receipt Date:	20170205
Manifest ID:	016802598JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	AZD982484578
Trans 2 Name:	TRANSCHEM ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	D001
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	STANDARD AERO BUSINESS AVIATION
Address:	6201 W IMPERIAL HWY # A
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	FA0025358
Last Run Date:	06/01/2019
Status:	INACTIVE
Name:	SIGNATURE FLIGHT SUPPORT
Address:	6201 W IMPERIAL HWY # B
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	FA0024101
Last Run Date:	06/01/2019
Status:	ACTIVE

LA Co. Site Mitigation:

Name:	ALLIED SIGNAL AEROSPACE CO.
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Facility ID: FA0014246
Status: Not reported
Site ID: SD0010286
Jurisdiction: Not reported
Case ID: RO0010286
Abated: Yes
Assigned To: RS
Entered Date: Not reported
Abated Date: 01/01/1991

CERS:
Name: GARRETT AVN SVCS LLC DBA STANDARD AERO
Address: 6201 WEST IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045-6306
Site ID: 469525
CERS ID: 110017207618
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: PETER CHUNG
Entity Title: SR. EHS/FACILITY MANAGER
Affiliation Address: 6201 W IMPERIAL HIGHWAY
Affiliation City: LOSANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: PETER CHUNG
Entity Title: SR. EHS/FACILITY MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Z130 **GARRETT AIRESEARCH** **CA LUST** **S103891107**
North **6201 IMPERIAL HWY E** **CA CERS** **N/A**
1/4-1/2 **WESTCHESTER, CA 90045**
0.407 mi.
2151 ft. **Site 2 of 3 in cluster Z**

Relative:
Lower

Actual:
107 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900450570
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701073

GARRETT AIRESEARCH (Continued) **S103891107**

W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	SEPULVEDA	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/3/1986	
Date Leak First Reported:		7/24/1987
Date Leak Record Entered:	8/14/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/6/1996
Date the Case was Closed:		12/6/1996
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	OLD CASENO WAS 005058	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15361.511333526333633489755481
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	AIRESEARCH, GARRETT	
RP Address:	6201 W IMPERIAL HWY, LOS ANGELES, CA 90045	
Program:	LUST	
Lat/Long:	33.931002 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

LUST:

Name:	GARRETT AIRESEARCH
Address:	6201 IMPERIAL HWY E
City,State,Zip:	WESTCHESTER, CA 90045
Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701073
Global Id:	T0603701073
Latitude:	33.931002

GARRETT AIRESEARCH (Continued) **S103891107**

Longitude: -118.4177399
Status: Completed - Case Closed
Status Date: 12/06/1996
Case Worker: EL
RB Case Number: 900450570
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603701073
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701073
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701073
Action Type: Other
Date: 09/03/1986
Action: Leak Discovery

Global Id: T0603701073
Action Type: Other
Date: 07/24/1987
Action: Leak Reported

LUST:
Global Id: T0603701073
Status: Open - Case Begin Date
Status Date: 09/03/1986

Global Id: T0603701073
Status: Completed - Case Closed
Status Date: 12/06/1996

CERS:
Name: GARRETT AIRESEARCH
Address: 6201 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045

GARRETT AIRESEARCH (Continued) **S103891107**

Site ID: 253710
CERS ID: T0603701073
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Z131 **GARRETT AIRESEARCH** **CA HIST CORTESE** **S105024630**
North **6201 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.407 mi.
2151 ft. **Site 3 of 3 in cluster Z**

Relative: HIST CORTESE:
Lower
edr_fname: GARRETT AIRESEARCH
Actual: edr_fadd1: 6201 IMPERIAL
107 ft. City,State,Zip: LOS ANGELES, CA 90045
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900450570

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132 **HUGHES AIRCRAFT CO CSG** **CA LUST** **S102431537**
SSE **1990 GRAND AVE E** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.410 mi. **CA CERS**
2167 ft.

Relative: LUST REG 4:
Lower
Region: 4
Actual: Regional Board: 04
117 ft. County: Los Angeles
Facility Id: R-13532
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Abatement Method Used at the Site:		Not reported
Global ID:	T0603705198	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		8/19/1996
Date Leak Record Entered:	8/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1996
Date the Case was Closed:		8/19/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7534.84954061541884537709753 47
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO., S66	
RP Address:	P.O. BOX 92919, LOS ANGELES CA 90009	
Program:	LUST	
Lat/Long:	33.9191286 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

LUST:

Name:	HUGHES AIRCRAFT CO CSG
Address:	1990 GRAND AVE E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705198

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Global Id: T0603705198
Latitude: 33.9188509
Longitude: -118.39182
Status: Completed - Case Closed
Status Date: 08/19/1996
Case Worker: SHT
RB Case Number: R-13532
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603705198
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705198
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705198
Action Type: Other
Date: 08/19/1996
Action: Leak Reported

LUST:
Global Id: T0603705198
Status: Completed - Case Closed
Status Date: 08/19/1996

Global Id: T0603705198
Status: Open - Case Begin Date
Status Date: 08/19/1996

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1990 GRAND AVE
City: EL SEGUNDO
Status: Active
Comp Number: 13532
Number: 9

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013532-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT CO CSG
edr_fadd1: 1990 GRAND
City,State,Zip: CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13532

CERS:
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 231911
CERS ID: T0603705198
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y133 **KOREAN AIRLINES FREIGHT** **CA HIST CORTESE** **S105024629**
NNE **6101 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.412 mi.
2177 ft. **Site 2 of 5 in cluster Y**

Relative:
Lower

Actual:
103 ft.

HIST CORTESE:

edr_fname:	KOREAN AIRLINES FREIGHT
edr_fadd1:	6101 IMPERIAL
City,State,Zip:	LOS ANGELES, CA 90045
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900450561

Y134 **LAX - KOREAN AIRLINES** **CA CPS-SLIC** **S105520939**
NNE **6101 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.412 mi.
2177 ft. **Site 3 of 5 in cluster Y**

Relative:
Lower

Actual:
103 ft.

SLIC REG 4:

Region:	4
Facility Status:	Not reported
SLIC:	1061B
Substance:	Not reported
Staff:	LACFD

Y135 **KOREAN AIRLINES FREIGHT** **CA LUST** **S103891106**
NNE **6101 IMPERIAL HWY E** **CA CPS-SLIC** **N/A**
1/4-1/2 **WESTCHESTER, CA 90045** **CA CERS**
0.412 mi.
2177 ft. **Site 4 of 5 in cluster Y**

Relative:
Lower

Actual:
103 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900450561	
Status:	Leak being confirmed	
Substance:	Kerosene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701072	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19050	
Cross Street:	SEPULVEDA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/7/1990	
Date Leak First Reported:		10/27/1988
Date Leak Record Entered:	5/25/1995	
Date Confirmation Began:	2/7/1990	
Date Leak Stopped:	2/7/1990	
Date Case Last Changed on Database:		5/25/1995
Date the Case was Closed:		Not reported

KOREAN AIRLINES FREIGHT (Continued) **S103891106**

How Leak Discovered:	Nuisance Conditions
How Leak Stopped:	Not reported
Cause of Leak:	Structure Failure
Leak Source:	Piping
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	15197.214364892028950045049137
Source of Cleanup Funding:	Piping
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	KOREAN AIRLINES
RP Address:	6101 W IMPERIAL HWY LA CA 90049
Program:	LUST
Lat/Long:	33.931002 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	INVENTORY LOSS REPORTED TO BE APPX 20,000 GAL. POSSIBLE PIPERUPTURE OCCURED. FUEL WAS SEEN COMING FROM GROUND.

CPS-SLIC:

Name:	KOREAN AIRLINES FREIGHT
Address:	6101 IMPERIAL HWY E
City,State,Zip:	WESTCHESTER, CA 90045
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/27/2015
Global Id:	T0603701072
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.931002
Longitude:	-118.4169329
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900450561
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Kerosene
Site History:	Not reported

KOREAN AIRLINES FREIGHT (Continued) **S103891106**

Click here to access the California GeoTracker records for this facility:

CERS:
Name: KOREAN AIRLINES FREIGHT
Address: 6101 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045
Site ID: 240946
CERS ID: T0603701072
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y136 **KOREAN AIR CARGO TERMINAL** **CA CPS-SLIC** **S106568479**
NNE **6101 WEST IMPERIAL HWY** **CA HIST UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045** **CA CERS**
0.412 mi.
2177 ft. **Site 5 of 5 in cluster Y**

Relative:
Lower

Actual:
103 ft.

CPS-SLIC:
Name: LAX - KOREAN AIRLINES
Address: 6101 WEST IMPERIAL HIGHWAY
City,State,Zip: LOS ANGELES, CA 90045
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 07/21/2016
Global Id: SL0603769898
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.9317350546797
Longitude: -118.39161157608
Case Type: Cleanup Program Site
Case Worker: CMC
Local Agency: LA CNTY FIRE DEPT. (BILLING AND UST)
RB Case Number: 1061B
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern: Aviation, Total Petroleum Hydrocarbons (TPH)
Site History: Site operated several undeground storage tanks (USTs), which have been removed. Presently the site is doing routine groundwater monitoring.

Click here to access the California GeoTracker records for this facility:

HIST UST:
Name: KOREAN AIR CARGO TERMINAL
Address: 6101 WEST IMPERIAL HWY

KOREAN AIR CARGO TERMINAL (Continued) **S106568479**

City,State,Zip:	LOS ANGELES, CA 90045
File Number:	000273D7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000273D7.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CERS:

Name:	LAX - KOREAN AIRLINES
Address:	6101 WEST IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Site ID:	254658
CERS ID:	SL0603769898
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CURT M. CHARMLEY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

137
ESE
1/4-1/2
0.424 mi.
2237 ft.

HILTON GARDEN INN
MARIPOSA AVENUE AND NASH STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S104156165**
CA VCP **N/A**

Relative:
Lower

Actual:
102 ft.

ENVIROSTOR:

Name:	HILTON GARDEN INN
Address:	MARIPOSA AVENUE AND NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130106
Status:	No Further Action
Status Date:	09/24/1999

HILTON GARDEN INN (Continued) **S104156165**

Site Code: 300779
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.92305
Longitude: -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: * HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000
Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/24/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: HILTON GARDEN INN

HILTON GARDEN INN (Continued) **S104156165**

Address:	MARIPOSA AVENUE AND NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130106
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Site Code:	300779
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	09/24/1999
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92305 / -118.3872
APN:	NONE SPECIFIED
Past Use:	OIL FIELD
Potential COC:	10009, 10097
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	110033614881
Alias Type:	EPA (FRS #)
Alias Name:	300779
Alias Type:	Project Code (Site Code)
Alias Name:	19130106
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/07/2000
Comments:	Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	09/24/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

HILTON GARDEN INN (Continued) **S104156165**

Schedule Revised Date: Not reported

AA138 **UNITED AIRLINE FLIGHT KITCHEN** **CA LUST** **S102439619**
ESE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.475 mi.
2509 ft. **Site 1 of 2 in cluster AA**

Relative: **Lower**
Actual: **102 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-12973	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704019	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	EL SEGUNDO BLVD.	
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters	
Date Leak Discovered:	12/17/1990	
Date Leak First Reported:		1/23/1991
Date Leak Record Entered:	2/8/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	12/17/1990	
Date Case Last Changed on Database:		6/30/1992
Date the Case was Closed:		7/25/1991
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HARRISON, WALT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6476.3069257802008242951636235
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		12/17/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED AIRLINES	
RP Address:	6066 AVION DR., LOS ANGELES, 90045	

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S102439619**

Program:	LUST
Lat/Long:	33.9215296 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	OLD CASE #020891-13

AA139 **UNITED AIRLINES FLIGHT KITCHEN** **CA LUST** **S103985741**
ESE **444 NASH ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90009** **CA EMI**
0.475 mi. **CA HIST CORTESE**
2509 ft. **Site 2 of 2 in cluster AA** **CA NPDES**
CA CIWQS
Relative: **CA CERS**
Lower

Actual: **102 ft.**

LUST:

Name:	UNITED AIRLINE FLIGHT KITCHEN
Address:	444 NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704019
Global Id:	T0603704019
Latitude:	33.921778
Longitude:	-118.38632
Status:	Completed - Case Closed
Status Date:	07/25/1991
Case Worker:	SHT
RB Case Number:	I-12973
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603704019
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603704019
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

LUST:
Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Discovery

Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Stopped

Global Id: T0603704019
Action Type: Other
Date: 01/23/1991
Action: Leak Reported

LUST:
Global Id: T0603704019
Status: Open - Case Begin Date
Status Date: 12/17/1990

Global Id: T0603704019
Status: Open - Remediation
Status Date: 12/17/1990

Global Id: T0603704019
Status: Completed - Case Closed
Status Date: 07/25/1991

SWEEPS UST:
Name: UNITED AIRLINES FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
Status: Not reported
Comp Number: 12973
Number: Not reported
Board Of Equalization: 44-009989
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012973-000001
Tank Status: Not reported
Capacity: 25000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

EMI:
Name: UNITED AIRLINES INC (FOOD SERV
Address: 444 NASH ST
City,State,Zip: EL SEGUNDO, CA 90009

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	16256
Air District Name:	SC
SIC Code:	2099
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	UNITED AIRLINE FLIGHT KIT
edr_fadd1:	444 NASH
City,State,Zip:	EL SEGUNDO, CA 90009
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-12973

NPDES:

Name:	T5 LOS ANGELES DATA CENTER
Address:	444 NORTH NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C362440
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/01/2016
Operator Name:	T5 at Los Angeles LLC
Operator Address:	3565 Piedmont Road Suite 318
Operator City:	Atlanta
Operator State:	Georgia
Operator Zip:	30305

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	421867
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C362440
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/16/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	T5 at Los Angeles LLC
Discharge Address:	3565 Piedmont Road Suite 318
Discharge City:	Atlanta
Discharge State:	Georgia
Discharge Zip:	30305
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	421867
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C362440
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/15/2011
Processed Date:	11/16/2011
Status:	Terminated
Status Date:	06/01/2016
Place Size:	6.1
Place Size Unit:	Acres
Contact:	Addison Kerr
Contact Title:	Project Engineer
Contact Phone:	678-438-8084
Contact Phone Ext:	Not reported
Contact Email:	akerr@holder.com
Operator Name:	T5 at Los Angeles LLC
Operator Address:	3565 Piedmont Road Suite 318
Operator City:	Atlanta
Operator State:	Georgia
Operator Zip:	30305
Operator Contact:	Jimmy Bailey
Operator Contact Title:	Executive Vice President

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Operator Contact Phone:	404-239-7143
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rsovie@t5datacenters.com
Operator Type:	Private Business
Developer:	T5 at Los Angeles LLC
Developer Address:	3565 Piedmont Road Suite 318
Developer City:	Atlanta
Developer State:	Georgia
Developer Zip:	30305
Developer Contact:	Jimmy Bailey
Developer Contact Title:	Executive Vice President
Constype Linear Utility Ind:	N
Emergency Phone:	678-438-8084
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Jimmy Bailey
Certifier Title:	Not reported
Certification Date:	15-NOV-11
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	T5 LOS ANGELES DATA CENTER
Address:	444 NORTH NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	T5 at Los Angeles LLC
Agency Address:	3565 Piedmont Road Suite 318, Atlanta, GA 30305
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C362440
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/16/2011

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Termination Date:	05/12/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	33.91667
Longitude:	-118.38333

CERS:

Name:	UNITED AIRLINE FLIGHT KITCHEN
Address:	444 NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	218198
CERS ID:	T0603704019
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

AB140 **PILLACK PROPERTY** **CA HIST CORTESE** **S105023636**
SW **1410 GRAND** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.483 mi.
2549 ft. **Site 1 of 3 in cluster AB**

Relative:
Higher

Actual:
132 ft.

HIST CORTESE:

edr_fname:	PILLACK PROPERTY
edr_fadd1:	1410 GRAND
City,State,Zip:	EL SEGUNDO, CA
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14091

AB141 **PILLACK PROPERTY** **CA LUST** **S104916213**
SW **1410 GRAND AVE** **CA CERS** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90245**
0.483 mi.
2549 ft. **Site 2 of 3 in cluster AB**

Relative: **Higher**

Actual: **132 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14091	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704135	
W Global ID:	W0607701254	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	UNOCAL - JIM SCOTT	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5591.98947487533417639747716
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RICHARD B. PILLACK	
RP Address:	4315 INGLEWOOD BOULEVARD, LOS ANGELES, 90066	
Program:	LUST	
Lat/Long:	34.0370135 / -1	
Local Agency Staff:	Not reported	

PILLACK PROPERTY (Continued) **S104916213**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3901254-001GEN
Summary: Not reported

LUST:
Name: PILLACK PROPERTY
Address: 1410 GRAND AVE
City,State,Zip: EAST LOS ANGELES, CA 90245
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704135
Global Id: T0603704135
Latitude: 34.0370135
Longitude: -118.2652686
Status: Completed - Case Closed
Status Date: 01/26/1990
Case Worker: JOA
RB Case Number: I-14091
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704135
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704135
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704135
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704135
Status: Completed - Case Closed

PILLACK PROPERTY (Continued) **S104916213**

Status Date: 01/26/1990

Global Id: T0603704135
Status: Open - Case Begin Date
Status Date: 01/26/1990

CERS:
Name: PILLACK PROPERTY
Address: 1410 GRAND AVE
City,State,Zip: EAST LOS ANGELES, CA 90245
Site ID: 220959
CERS ID: T0603704135
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AC142 **INTERNATIONAL RECTIFIER CORP** **CA ENVIROSTOR** **U002287919**
SW **233 KANSAS ST** **CA LUST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA CPS-SLIC**
0.494 mi. **CA HIST CORTESE**
2606 ft. **Site 1 of 2 in cluster AC** **CA LOS ANGELES CO. HMS**
CA WDS
Relative: **CA CIWQS**
Higher **CA CERS**

Actual:
122 ft.

ENVIROSTOR:
Name: INTERNATIONAL RECTIFIER
Address: 233 KANSAS STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19360533
Status: Refer: RWQCB
Status Date: 07/19/2018
Site Code: 300569
Site Type: Historical
Site Type Detailed: * Historical
Acres: 1.85
NPL: NO

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Regulatory Agencies: NONE SPECIFIED
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91866
Longitude: -118.4007
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * ACID SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: INTERNATIONAL RECTIFIER
Alias Type: Alternate Name
Alias Name: CAD076208313
Alias Type: EPA Identification Number
Alias Name: 110000474479
Alias Type: EPA (FRS #)
Alias Name: 300569
Alias Type: Project Code (Site Code)
Alias Name: 19360533
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/24/1996
Comments: Preliminary Assessment completed under U.S. EPA grant. Site is no further assessment for U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/25/1995
Comments: The Department received a hazardous substace release report. The site had a waste leak from a plating line and acidic aqueous waste left metal contamination in the soil. Due to evidence of contamination, the Department recommends a PEA. The Department notified the RP that a PEA be conducted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-15781	
Status:	Preliminary site assessment underway	
Substance:	Solvents	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704349	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19013	
Cross Street:	GRAND AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/29/1990	
Date Leak First Reported:		7/25/1990
Date Leak Record Entered:	9/26/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/29/1990	
Date Case Last Changed on Database:		5/2/1994
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	NASSIF, GERALD	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8464.971975309280812962810462
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		7/25/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	INTERNATIONAL RECTIFIER CORP.	
RP Address:	233 KANSAS ST., EL SEGUNDO, 90245	
Program:	SLIC	
Lat/Long:	33.9182275 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Assigned Name: Not reported
Summary: file missing, transfered from MSH to RI

CPS-SLIC:
Name: INTERNATIONAL RECTIFIER CORP.
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 02/27/1997
Global Id: SL184571440
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.917719
Longitude: -118.399635
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0608
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: INTERNATIONAL RECTIFIER C
edr_fadd1: 233 KANSAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15781

LOS ANGELES CO. HMS:
Name: INTERNATIONAL RECTIFIER
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 014941-015781
Facility Type: 1
Facility Status: Closed
Area: 2N
Permit Number: 000167695
Permit Status: Closed

WDS:
Name: INT RECTIFIEREL SEGUNDO
Address: 233 Kansas St
City: EL SEGUNDO
Facility ID: 4 19I001141
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3107268283
Facility Contact: CYNTHIA VELEZ
Agency Name: INT RECTIFIER CORP
Agency Address: 233 Kansas St
Agency City,St,Zip: El Segundo 902454316
Agency Contact: CORPORATION
Agency Telephone: 3103223331
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: INT RECTIFIER CORP EL SEGUNDO
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
Agency: International Rectifier
Agency Address: 101 N Sepulveda Blvd, El Segundo, CA 90245
Place/Project Type: Industrial - Semiconductors and Related Devices
SIC/NAICS: 3674
Region: 4
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I001141

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/25/1992
Termination Date:	10/09/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91846
Longitude:	-118.40049

CERS:

Name:	INTERNATIONAL RECTIFIER CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA
Site ID:	215151
CERS ID:	SL184571440
CERS Description:	Cleanup Program Site

Name:	INFINEON TECHNOLOGIES AMERICAS CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	38397
CERS ID:	90245NTRNT233KA
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Amy Kim
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3107268727

Affiliation Type Desc:	Technical Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Affiliation Zip: 90245
Affiliation Phone: 3107268727

Affiliation Type Desc: Parent Company
Entity Name: INTERNATIONAL RECTIFIER CORP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

AC143 **INTERNATIONAL RECTIFIER CORP.** **CA CPS-SLIC** **1005976343**
SW **233 KANSAS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.494 mi.
2606 ft. **Site 2 of 2 in cluster AC**

Relative: SLIC REG 4:
Higher
Actual: Region: 4
122 ft. Facility Status: No further action required
SLIC: 0608
Substance: Not reported
Staff: PR

AB144 **INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIE** **CA ENVIROSTOR** **S122495084**
SW **270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 33** **CA VCP** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.494 mi.
2607 ft. **Site 3 of 3 in cluster AB**

Relative: ENVIROSTOR:
Higher
Actual: Name: INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
132 ft. Address: 270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002691
Status: Active
Status Date: 07/19/2018
Site Code: 301834
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5.1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Patrick Movlay
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: , 62
Senate: , 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Funding: Responsible Party
Latitude: 33.91869
Longitude: -118.4007
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, UE
Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 60002691
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 07/19/2018
Comments: Water contacted to request lead agency decision. DTSC is lead agency

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/21/2018
Comments: Phase I has been completed, DTSS is currently reviewing Phase II

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 11/04/2018
Comments: No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/11/2019
Comments: Activity completed

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	02/10/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	04/13/2020
Schedule Revised Date:	Not reported

VCP:

Name:	INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
Address:	270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002691
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	5.1
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301834
Assembly:	, 62
Senate:	, 26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	07/19/2018
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91869 / -118.4007
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	SOIL, SV, UE
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	301834
Alias Type:	Project Code (Site Code)
Alias Name:	60002691
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	07/19/2018

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Comments:	Water contacted to request lead agency decision. DTSC is lead agency
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	08/21/2018
Comments:	Phase I has been completed, DTSS is currently reviewing Phase II
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/04/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	11/04/2018
Comments:	No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	08/15/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/03/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/11/2019
Comments:	Activity completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	02/10/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	04/13/2020
Schedule Revised Date:	Not reported

145
NE
1/2-1
0.546 mi.
2884 ft.

NORTH AMERICAN AIRCRAFT
INGLEWOOD, CA

CA ENVIROSTOR

S107736912
N/A

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Name:	NORTH AMERICAN AIRCRAFT
Address:	Not reported
City,State,Zip:	INGLEWOOD, CA
Facility ID:	80000838
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3888
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F995900
Alias Type:	Federal Facility ID
Alias Name:	J09CA7136
Alias Type:	INPR
Alias Name:	80000838
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Name:	NORTH AMERICAN AIRCRAFT
Address:	Not reported
City,State,Zip:	INGLEWOOD, CA
Facility ID:	80000839
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93111
Longitude:	-118.3875
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F996000
Alias Type:	Federal Facility ID
Alias Name:	J09CA7137
Alias Type:	INPR
Alias Name:	80000839
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	10/07/1993
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

146
ESE
1/2-1
0.577 mi.
3049 ft.

400 DULEY ROAD
400 DULEY ROAD
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108197287**
CA VCP **N/A**
CA NPDES
CA CIWQS

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Name:	FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60000905
Status:	No Further Action
Status Date:	01/07/2014
Site Code:	301386
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92215
Longitude:	-118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Lead Polychlorinated biphenyls (PCBs 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Polychlorinated biphenyls (PCBs Lead
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	04/28/2009
Comments:	Document reviewed and comments sent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

400 DULEY ROAD (Continued) **S108197287**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011

400 DULEY ROAD (Continued) **S108197287**

Comments:	Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	08/31/2010
Comments:	approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	03/05/2012
Comments:	DTSC issued Certification of Removal Action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	12/12/2011
Comments:	Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	03/05/2012
Comments:	DTSC issued certification letter for Removal Action
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	03/27/2012
Comments:	Letter sent on 3/20/2012
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60000905
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP

400 DULEY ROAD (Continued) **S108197287**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301386
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	01/07/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92215 / -118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	30013, 30018, 30026, 30027
Confirmed COC:	30018,30013
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	04/28/2009
Comments:	Document reviewed and comments sent.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2011
Comments:	Letter sent to proponent on 10/12/2011

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	03/05/2012
Comments:	DTSC issued certification letter

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/19/2012
Comments:	CRU Memo dated 4/23/2012 Sent

Completed Area Name:	PROJECT WIDE

400 DULEY ROAD (Continued) **S108197287**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

400 DULEY ROAD (Continued) **S108197287**

Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:
Name: 400 DULEY ROAD
Address: 400 DULEY ROAD
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C373651
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 09/24/2018
Operator Name: 400 Duley Road Property LLC
Operator Address: 2121 Rosecrans Avenue
Operator City: El Segundo
Operator State: California

400 DULEY ROAD (Continued) **S108197287**

Operator Zip:	90245
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015
Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC
Developer Address:	2121 Rosecrans Avenue
Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N

400 DULEY ROAD (Continued) **S108197287**

Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	459798
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported

400 DULEY ROAD (Continued) **S108197287**

Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	459798
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C373651
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Termination Date Of Regulatory Measure:	08/28/2018

400 DULEY ROAD (Continued) **S108197287**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2121 Rosecrans Avenue
Discharge Name:	400 Duley Road Property LLC
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015
Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC
Developer Address:	2121 Rosecrans Avenue

400 DULEY ROAD (Continued) **S108197287**

Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	459798
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported

400 DULEY ROAD (Continued) **S108197287**

Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245

400 DULEY ROAD (Continued) **S108197287**

Agency:	400 Duley Road Property LLC
Agency Address:	2121 Rosecrans Avenue Suite 4325, El Segundo, CA 90245
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C373651
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/07/2015
Termination Date:	08/28/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.923135
Longitude:	-118.384852

147
SW
1/2-1
0.597 mi.
3150 ft.

1330 EAST FRANKLIN AVENUE **CA ENVIROSTOR** **S118757325**
1330 EAST FRANKLIN AVENUE **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Higher

Actual:
132 ft.

ENVIROSTOR:

Name:	1330 EAST FRANKLIN AVENUE
Address:	1330 EAST FRANKLIN AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002376
Status:	Active
Status Date:	06/15/2016
Site Code:	301760
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.33
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	, 62
Senate:	, 26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91764
Longitude:	-118.4014
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301760
Alias Type: Project Code (Site Code)
Alias Name: 60002376
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2016
Comments: DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2017
Comments: FA warranted, SSI following shutdown.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/21/2017
Comments: Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Document Type: Monitoring Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/06/2017
Comments: This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/01/2019
Comments: In the meeting with SCS and Smoky Hollow, it was decided that a supplemental workplan was needed (Indoor Air Quality Workplan)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: FA determination. Determination called for SSI WP within 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2017
Comments: Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/19/2016
Comments: DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/23/2017
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/14/2019
Comments: Minutes will be incorporated into final Data Gap Investigation Report

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Future Due Date:	2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Public Participation Plan / Community Relations Plan
Schedule Due Date:	08/05/2019
Schedule Revised Date:	09/15/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	01/27/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	CEQA - Notice of Exemption
Schedule Due Date:	07/24/2019
Schedule Revised Date:	Not reported

VCP:

Name:	1330 EAST FRANKLIN AVENUE
Address:	1330 EAST FRANKLIN AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002376
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.33
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301760
Assembly:	, 62
Senate:	, 26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	06/15/2016
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91764 / -118.4014
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301760
Alias Type:	Project Code (Site Code)
Alias Name:	60002376
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	10/06/2016

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2016
Comments: DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2017
Comments: FA warranted, SSI following shutdown.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/21/2017
Comments: Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/23/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/07/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/06/2017
Comments: This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/01/2019
Comments: In the meeting with SCS and Smoky Hollow, it was decided that a supplemental workplan was needed (Indoor Air Quality Workplan)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: FA determination. Determination called for SSI WP within 30 days.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2017
Comments: Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/19/2016
Comments: DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/23/2017
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/14/2019
Comments: Minutes will be incorporated into final Data Gap Investigation Report

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Participation Plan / Community Relations Plan
Schedule Due Date: 08/05/2019
Schedule Revised Date: 09/15/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 01/27/2020
Schedule Revised Date: Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 07/24/2019
Schedule Revised Date: Not reported

148
SW
1/2-1
0.616 mi.
3252 ft.

RADIANT SERVICES **CA ENVIROSTOR** **S108217730**
200 NEVADA STREET **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:
Name: RADIANT SERVICES
Address: 200 NEVADA STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19130119
Status: Active
Status Date: 09/27/2017
Site Code: 301245
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.91826
Longitude: -118.4034
APN: 4139-005-043, 4139005043, 4139005052
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 4139005052
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

RADIANT SERVICES (Continued) **S108217730**

Completed Document Type: Phase 1
Completed Date: 12/01/2004
Comments: DTSC reviewed historical documents and recommended soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2005
Comments: Based on data, DTSC recommended additional sampling to determine the extent of the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/04/2006
Comments: Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2017
Comments: The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2018
Comments: DTSC conditionally approved work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/25/2019
Comments: DTSC reviewed the Report and recommends groundwater monitoring to assess the need for remediation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/2017

RADIANT SERVICES (Continued) **S108217730**

Comments: VCA fully executed for former Radiant Services site in El Segundo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/30/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: RADIANT SERVICES
Address: 200 NEVADA STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19130119
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: 301245
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 09/27/2017
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91826 / -118.4034
APN: 4139-005-043, 4139005043, 4139005052
Past Use: DRY CLEANING
Potential COC: 30022, 30027
Confirmed COC: 30022,30027
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 4139005052
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245

RADIANT SERVICES (Continued) **S108217730**

Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/01/2004
Comments: DTSC reviewed historical documents and recommended soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/29/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2005
Comments: Based on data, DTSC recommended additional sampling to determine the extent of the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/04/2006
Comments: Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2017
Comments: The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2018
Comments: DTSC conditionally approved work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/25/2019
Comments: DTSC reviewed the Report and recommends groundwater monitoring to assess the need for remediation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities

RADIANT SERVICES (Continued) **S108217730**

were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/2017
Comments: VCA fully executed for former Radiant Services site in El Segundo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/30/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AD149 **SPERRY GYROSCOPE CORP.** **FUDS** **1024903906**
NE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.620 mi.
3275 ft. **Site 1 of 2 in cluster AD**

Relative: FUDS:
Lower
Actual: EPA Region: 09
100 ft. Installation ID: CA99799F996300
Congressional District Number: 43
Facility Name: SPERRY GYROSCOPE CORP.
FUDS Number: J09CA7140
City: EL SEGUNDO
State: CA
County: LOS ANGELES
Object ID: 7406
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Private Sector
EMS Map Link: https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=54273
Eligibility: Ineligible
Has Projects: No
NPL Status: Not Listed
Latitude: 33.931944440000000
Longitude: -118.386666669999000

AD150 **SPERRY GYROSCOPE CORP** **CA ENVIROSTOR** **S107737396**
NE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.623 mi.
3288 ft. **Site 2 of 2 in cluster AD**

Relative: **Lower**

Actual: **100 ft.**

ENVIROSTOR:

Name:	SPERRY GYROSCOPE CORP
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000842
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93194
Longitude:	-118.3866
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F996300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7140
Alias Type:	INPR
Alias Name:	80000842
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	09/21/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AE151 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **SEMS-ARCHIVE** **1015732613**
SSE **2000 E. EL SEGUNDO BLVD** **CORRACTS** **CAD000633230**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.627 mi. **RCRA-LQG**
3312 ft. **Site 1 of 3 in cluster AE** **US FIN ASSUR**
2020 COR ACTION
Relative: **NY MANIFEST**
Higher

Actual: **129 ft.**

SEMS Archive:

Site ID:	0903300
EPA ID:	CAD000633230
Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
Address:	EL SEGUNDO
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1991-05-21 04:00:00
Finish Date:	1991-05-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0903300
EPA ID:	CAD000633230
Site Name:	HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL:	N
FF:	N
OU:	00
Action Code:	PA

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-12 04:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2019-09-18 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2020-01-29 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2018-03-16 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-09 00:00:00.0
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2017-03-31 00:00:00.0
Schedule end date: 2017-06-01 00:00:00.0

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2016-12-20 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2016-12-23 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Actual Date: 2016-10-06 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-21 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2015-12-29 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-05-29 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-03-24 00:00:00.0
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2014-12-31 00:00:00.0
Schedule end date: 2015-03-01 00:00:00.0

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-25 00:00:00.0
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2012-06-28 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2012-03-19 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2012-02-28 00:00:00.0
Schedule end date: 2012-05-31 00:00:00.0

RCRA-TSDF:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1997-12-18 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1997-12-18 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Historical Generators:

Date form received by agency: 2016-02-25 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-07-26 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-08 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-03-26 00:00:00.0
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date form received by agency: 1992-04-13 00:00:00.0
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Corrective Action Summary:

Event date: 1991-09-07 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-09-07 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-09-07 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-07 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 2012-03-19 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2012-06-28 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2013-06-25 00:00:00.0
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 2015-03-24 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2015-05-29 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2015-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-10-06 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2016-12-20 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2017-06-09 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2018-03-16 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2019-09-18 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-22 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1991-11-22 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2006-06-22 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: Generators - General
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SINGLE SITE CA/FO

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Area of violation: TSD - General Facility Standards
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Mailing address:	E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245
Contact:	JAYALAKSHMI M MOHAN
Contact address:	E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-647-1204
Contact email:	MANJU.MOHAN@RAYTHEON.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-18 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1997-12-18 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 2016-02-25 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-07-26 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-08 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-03-26 00:00:00.0
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 1992-04-13 00:00:00.0
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Corrective Action Summary:

Event date: 1991-09-07 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-09-07 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-09-07 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-07 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 2012-03-19 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2012-06-28 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2013-06-25 00:00:00.0
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 2015-03-24 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2015-05-29 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2015-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-10-06 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2016-12-20 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Event date: 2017-06-09 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2018-03-16 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2019-09-18 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-22 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2006-06-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1991-11-22 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2006-06-22 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: Generators - General
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SINGLE SITE CA/FO
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: INITIAL 3008(A) COMPLIANCE
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

US FIN ASSUR:
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 2000000
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 878460
Face value: 2921482
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-05-30 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 839820
Face value: 850731
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 878460
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E. EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 2000000
Face value: 2921482
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

2020 COR ACTION:
EPA ID: CAD000633230
Region: 9
Action: Not reported

NY MANIFEST:

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Name:	HUGHES AIRCRAFT COMPANY
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245-0902
Country:	USA
EPA ID:	CAD000633230
Facility Status:	Not reported
Location Address 1:	2000 EL SEGUNDO BOULEVARD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	EL SEGUNDO
Location State:	CA
Location Zip:	90245
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD000633230
Mailing Name:	HUGHES AIRCRAFT COMPANY
Mailing Contact:	DEAN D RICHARDSON
Mailing Address 1:	2000 EL SEGUNDO BOULEVARD
Mailing Address 2:	Not reported
Mailing City:	SEGUNDO
Mailing State:	CA
Mailing Zip:	90245
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136165284

NY MANIFEST:

Document ID:	NYC5731312
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71072NNY
Generator Ship Date:	06/28/2001
Trans1 Recv Date:	06/28/2001
Trans2 Recv Date:	07/02/2001
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	010
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	003
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

AE152
SSE
1/2-1
0.627 mi.
3312 ft.

Relative: Higher

Actual: 129 ft.

RAYTHEON SPACE AND AIRBORNE SYSTEMS
2000 E EL SEGUNDO BLVD
EL SEGUNDO, CA 90245

Site 2 of 3 in cluster AE

CA SWEEPS UST **1000240981**
CA CHMIRS **N/A**
CA Financial Assurance
CA HAZNET
CA ICE
CA HWP
CA HWTS

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	10917
Number:	Not reported
Board Of Equalization:	44-009072
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000001

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: 12

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000007
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000041
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000042
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000043
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000044
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000045
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000046
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	34

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000008
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000009
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000010
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000011
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000012
Tank Status: A
Capacity: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000013
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000014
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000015
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000016
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000017
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000018
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000019
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000020
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000021
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000022
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000023
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000025
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000026
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000027
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000028
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO EDSG
Address:	2000 E EL SEGUNDO BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10917
Number:	1
Board Of Equalization:	44-009072
Referral Date:	05-30-90
Action Date:	05-30-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010917-000029
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000030
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000031
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000032
Tank Status: A
Capacity: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000033
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000034
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000035
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000036
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000037
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000038
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000039
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000040
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CHMIRS:
Name: Not reported
Address: 2000 EAST EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
OES Incident Number: 08-8955

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

OES notification:	12/16/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1420
Year:	2008
Agency:	Ratheon Company
Incident Date:	12/16/2008
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Storm drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP advised his agency found an abandoned container with approximately 5 gallons of motor oil or crank oil in their parking lot.
Name:	Not reported
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	10-5897
OES notification:	09/30/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1010
Year:	2010
Agency:	Raytheon
Incident Date:	9/30/2010
Admin Agency:	El Segundo Fire Department

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaking fuel return line from an underground storage tank system.

CA Financial Assurance 1:

Name:	RAYTHEON COMPANY - EL SEGUNDO
Address:	2000 EAST EL SEGUNDO BOULEVARD
City:	EL SEGUNDO
EPA ID Number:	CAD000633230
Sudden Amount1:	$2,000,000.00
Non Sudden Amount1:	Not reported
Closure Mechanism:	Bond
Closure Amount:	$958,626.00
Post Closure Mechanism:	Not reported
Post Closure Amount:	Not reported
Corrective Action Mechanism:	Not reported
Corrective Action Amount:	Not reported
Sudden Mechanism Type:	Ins
Sudden Mechanism Amount:	$1,000,000.00
Non Sudden Mechanism Type:	Not reported
Non Sudden Mechanism Amount:	Not reported
O and M Mechanism Type:	Not reported
O and M Amount:	Not reported
Closure Mechanism Date of Mechanism:	2019-02-08 00:00:00
Closure Mechanism Renewal Date:	Not reported
Closure Mechanism Provider:	Liberty Mutual Insurance
Postclosure Mechanism Date of Mechanism:	Not reported
Postclosure Mechanism Renewal Date:	Not reported
Postclosure Mechanism Provider:	Not reported
O and M Mechanism Date of Mechanism:	Not reported
O and M Mechanism Renewal Date:	Not reported
O and M Mechanism Provider:	Not reported
Corrective Action Mechanism Date of Mechanism:	Not reported
Corrective Action Mechanism Renewal Date:	Not reported
Corrective Action Mechanism Provider:	Not reported
Sudden Mechanism Date of Mechanism:	2019-04-04 00:00:00

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Sudden Mechanism Renewal Date:	Not reported
Sudden Mechanism Provider:	Ironshore Speciality Ins Co.
Non-Sudden Mechanism Date of Mechanism:	Not reported
Non-Sudden Mechanism Renewal Date:	Not reported
Non-Sudden Mechanism Provider:	Not reported
Date Entered into EnviroStor:	2015-06-01 00:00:00
Authorization Type:	Operating Permit
Comments:	Bond also covers contingency amount of $796,330 STA #95436030 w/US Bank, N.A

HAZNET:

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90245
Contact:	LISA SCALES
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Year:	2017
Gepaid:	CAH111001444
TSD EPA ID:	ARD981057870
CA Waste Code:	612 -
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1
Year:	2017
Gepaid:	CAH111001444
TSD EPA ID:	NVD980895338
CA Waste Code:	612 - Household waste
Disposal Method:	H121 - Neutralization Only
Tons:	0.2875
Year:	2017
Gepaid:	CAH111001444
TSD EPA ID:	CAD008364432
CA Waste Code:	612 - Household waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.7975
Year:	2017
Gepaid:	CAH111001444
TSD EPA ID:	ARD981057870
CA Waste Code:	612 - Household waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.3385

Additional Info:

Year:	2017
Gen EPA ID:	CAH111001444
Shipment Date:	20170204
Creation Date:	5/17/2017 18:31:13
Receipt Date:	20170214

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Manifest ID:	000168062DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000168111DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170204
Creation Date:	5/17/2017 18:31:13
Receipt Date:	20170214
Manifest ID:	000168062DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170204
Creation Date:	4/5/2017 18:30:28
Receipt Date:	20170214
Manifest ID:	000168063DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170204
Creation Date:	4/5/2017 18:30:28
Receipt Date:	20170214
Manifest ID:	000168063DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170204
Creation Date:	5/9/2018 18:31:57
Receipt Date:	20170214
Manifest ID:	000168064DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H121 - Neutralization Only
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170204
Creation Date:	5/9/2018 18:31:57
Receipt Date:	20170214
Manifest ID:	000168064DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H121 - Neutralization Only
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170204
Creation Date:	5/9/2018 18:31:57

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Receipt Date:	20170214
Manifest ID:	000168064DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H121 - Neutralization Only
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170204
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170217
Manifest ID:	000168111DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	612 - Household waste
RCRA Code:	Not reported
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170204
Creation Date:	5/10/2018 18:30:43
Receipt Date:	20170217
Manifest ID:	000168111DAT
Trans EPA ID:	CAD983649880
Trans Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO CHEMICAL INDUSTRIES IN
TSDF Alt EPA ID:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

TSDF Alt Name: Not reported
CA Waste Code: 612 - Household waste
RCRA Code: Not reported
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.75
Waste Quantity: 1500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

ICE:
Envirostor ID: 3000609
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/18/2002

Inspection:
Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/24/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/21/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/10/2014
Violation Class: No Violations
RTC Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/29/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/08/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/03/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/20/2006

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/18/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/27/2000
Violation Class: Class 1, Minor
RTC Date: 09/06/2002

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2005
Violation Class: No Violations
RTC Date: Not reported

HWP:
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA Id: CAD000633230
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.91419
Longitude: -118.3892
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: MUZHDA FEROUZ
Supervisor: PARAMPREET BHATTI
Site Code: 300331
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Activities:

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	08/29/1983

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date:	12/24/1996

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date:	01/28/1997

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date:	04/06/2006

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	03/28/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	03/28/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date:	10/08/2017

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date:	11/27/2018

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	10/22/2013

EPA Id:	CAD000633230
Facility Type:	Historical - Non-Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 10/06/2015

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 06/12/1990

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 10/01/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA DOC FOR PUBLIC REVIEW
Actual Date: 11/19/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 06/22/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/07/1983

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/22/1995

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 08/17/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/1994

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 01/27/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL COMPLETE LETTER
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL REVIEW COMPLETED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/12/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 12/05/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA TO OPEA
Actual Date: 10/25/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/29/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 06/14/1996

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 08/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 11/08/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL CEQA
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION
Actual Date: 06/08/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/30/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 03/23/2018

Closure:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - FINAL CEQA
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 09/28/2018

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/30/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CEQA DETERMINATION
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - DRAFT CEQA
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN REQUESTED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/18/2019

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: Not reported

Alias:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Alias Type: FRS
Alias: 110018947826

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300331

Maintenance:
EPA Id: CAD000633230
Title: Reassignment of DTSC Project Manager
Document Type: Correspondence
Received Date: 01/25/2017

EPA Id: CAD000633230
Title: 2016 Waste Minimization Certification for Raytheon Company
Document Type: Certification Documents from Facility
Received Date: 04/04/2017

HWTS:
Name: RAYTHEON CO (LOT F)
Address: 2000 E EL SEGUNDO BLVD
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAH111001444
Inactive Date: Not reported
Create Date: 09/15/2015
Last Act Date: 09/15/2015
Mailing Name: Not reported
Mailing Address: 1955 WORKMAN MILL RD
Mailing Address 2: Not reported
Mailing City,State,Zip: WHITTIER, CA 90601
Owner Name: COUNTY SANITATION DISTR OF LA CNTY
Owner Address: 1955 WORKMAN MILL RD
Owner Address 2: Not reported
Owner City,State,Zip: WHITTIER, CA 90601
Contact Name: LISA SCALES
Contact Address: 1955 WORKMAN MILL RD
Contact Address 2: Not reported
City,State,Zip: WHITTIER, CA 90601

NAICS:
EPA ID: CAH111001444
Create Date: 2015-09-15 08:26:05
NAICS Code: 56292
NAICS Description: Materials Recovery Facilities
Issued EPA ID Date: 2015-09-15 08:26:05
Inactive Date: Not reported
Facility Name: RAYTHEON CO (LOT F)
Facility Address: 2000 E EL SEGUNDO BLVD
Facility Address 2: Not reported
Facility City: EL SEGUNDO
Facility County: 19
Facility State: CA
Facility Zip: 90245

AE153 **RAYTHEON CO** **CA ENVIROSTOR** **1008152328**
SSE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA NPDES**
0.627 mi. **CA CIWQS**
3312 ft. **Site 3 of 3 in cluster AE** **CA CERS**

Relative: Higher

Actual: 129 ft.

ENVIROSTOR:

Name:	RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	80001335
Status:	Active
Status Date:	01/01/2008
Site Code:	300331
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Maria Fabella
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91419
Longitude:	-118.3892
APN:	NONE SPECIFIED
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description:	SOIL
Alias Name:	CAD000633230
Alias Type:	EPA Identification Number
Alias Name:	110018947826
Alias Type:	EPA (FRS #)
Alias Name:	300331
Alias Type:	Project Code (Site Code)
Alias Name:	80001335
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Workplan
Completed Date:	12/20/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/25/2017
Comments:	Schedule is not longer valid. New date to receive submittal is 4/28/2017
Completed Area Name:	PROJECT WIDE

RAYTHEON CO (Continued) **1008152328**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/12/2017
Comments: moved to Sacramento

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 03/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 12/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/07/1991

RAYTHEON CO (Continued) **1008152328**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/28/2012
Comments: conditional appoval, field work to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/25/2013
Comments: field work begun

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 12/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE

RAYTHEON CO (Continued) **1008152328**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/26/2017
Comments: DONE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/25/2018
Comments: completed and sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/13/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/29/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Corrective Measures Study Report
Future Due Date: 2020

RAYTHEON CO (Continued) **1008152328**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Fact Sheets
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedy Construction Complete
Future Due Date:	2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	01/14/2020
Schedule Revised Date:	07/14/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Public Notice
Schedule Due Date:	12/25/2019
Schedule Revised Date:	07/10/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedy Selection and Statement of Basis
Schedule Due Date:	06/15/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Land Use Restriction
Schedule Due Date:	03/31/2020
Schedule Revised Date:	08/23/2020

CHMIRS:

Name:	Not reported
Address:	2000 E. EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	1-2235
OES notification:	04/07/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

RAYTHEON CO (Continued) **1008152328**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Raytheon Company
Incident Date:	3/22/2011
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Antimony
Quantity Released:	39
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	HISTORIC REPORT: The caller is reporting that antimony (a soft metal) was in a load of debris sent to a landfill. The caller stated that the amount of antimony was well below the federal reportable quantity.

NPDES:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	339622
Place ID:	Not reported

RAYTHEON CO (Continued) **1008152328**

Order Number:	97-03-DWQ
WDID:	4 19I021413
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2000 E El Segundo Blvd
Discharge Name:	Raytheon Co
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008
Place Size:	143
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo

RAYTHEON CO (Continued) **1008152328**

Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd

RAYTHEON CO (Continued) **1008152328**

Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

RAYTHEON CO (Continued) **1008152328**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021413
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/16/2008
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008

RAYTHEON CO (Continued) **1008152328**

Place Size:	143
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0

RAYTHEON CO (Continued) **1008152328**

Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

RAYTHEON CO (Continued) **1008152328**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Raytheon Co
Agency Address:	2000 E El Segundo Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021413
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/16/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91631
Longitude:	-118.3934

CERS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	540443
CERS ID:	711239
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	540443
Site Name:	Raytheon Co

RAYTHEON CO (Continued) **1008152328**

Violation Date: 02-05-2009
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 166 & 202 mg/L of TSS were detected at the locations, SS2 & SS1, respectively, on 2/5/09.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 540443
Site Name: Raytheon Co
Site Address: 2000 E EL SEGUNDO BLVD
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 06-16-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Raytheon Co
Entity Title: Operator
Affiliation Address: 2000 E El Segundo Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

AF154 **ROCKWELL INT'L CORP/EL SEGUNDO** **CA ENVIROSTOR** **S100943688**
ENE **827 N DOUGLAS** **CA HWP** **N/A**
1/2-1 **EL SEGUNDO, CA 90009**
0.667 mi.
3523 ft. **Site 1 of 2 in cluster AF**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:

Name:	ROCKWELL INT'L CORP/EL SEGUNDO
Address:	827 N DOUGLAS
City,State,Zip:	EL SEGUNDO, CA 900090000
Facility ID:	80001734
Status:	No Further Action
Status Date:	06/19/2013
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Gould
Supervisor:	* James Pappas
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92766
Longitude:	-118.3832
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD097855126
Alias Type:	EPA Identification Number
Alias Name:	80001734
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/02/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	05/30/1994
Comments:	CAD 093 365 435 - SSFL Area I/III Boeing, CA1 800 090 010 - SSFL Area II NASA and Boeing, CAD 000 629 972 - SSFL Area IV USDOE and Boeing, CA3 890 090 001 - SSFL Area IV USDOE-ETEC, Instrument: Consent Order for CA. LA 9/11/08
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Completed Date: 05/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/04/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: ROCKWELL INT'L CORP/EL SEGUNDO
Address: 827 N DOUGLAS
City,State,Zip: EL SEGUNDO, CA 900090000
EPA Id: CAD097855126
Cleanup Status: CLOSED
Latitude: 33.92766
Longitude: -118.3832
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1988

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/02/1983

EPA Id: CAD097855126

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/25/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/01/1989

Closure:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/15/1994

AF155 **WISEBURN HIGH SCHOOL - CAMPUS** **CA ENVIROSTOR** **S101296159**
ENE **827 NORTH DOUGLAS STREET** **CA CPS-SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA SCH**
0.667 mi. **CA HIST CORTESE**
3523 ft. **Site 2 of 2 in cluster AF** **CA CERS**

Relative:
Lower

Actual:
103 ft.

ENVIROSTOR:
Name: WISEBURN HIGH SCHOOL - CAMPUS
Address: 827 NORTH DOUGLAS STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60001621
Status: Inactive - Needs Evaluation
Status Date: 10/11/2012
Site Code: 304639
Site Type: School Investigation
Site Type Detailed: School
Acres: 12.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Program Manager: Rana Georges
Supervisor: Thomas Cota
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.92286
Longitude: -118.3832
APN: 4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: Benzene Lead Methane Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs TPH-diesel
Confirmed COC: 30003-NO 30013-NO 30015-NO 30024-NO 40002-NO 30018-NO
Potential Description: OTH, SOIL, SV
Alias Name: 4138-030-009
Alias Type: APN
Alias Name: 4138-030-010
Alias Type: APN
Alias Name: 4138-030-011
Alias Type: APN
Alias Name: 4138-030-012
Alias Type: APN
Alias Name: 4138-030-013
Alias Type: APN
Alias Name: 4138-030-014
Alias Type: APN
Alias Name: 4138-030-015
Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/01/1998
Global Id: SL204741664
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.927493
Longitude: -118.382285
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0577
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SCH:

Name: WISEBURN HIGH SCHOOL - CAMPUS
Address: 827 NORTH DOUGLAS STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60001621
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 12.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Rana Georges
Supervisor: Thomas Cota

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304639
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene, Lead, Methane, Naturally Occurring Asbestos (NOA), Polychlorinated biphenyls (PCBs, TPH-diesel
Confirmed COC:	30003-NO, 30013-NO, 30015-NO, 30024-NO, 40002-NO, 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015
Alias Type:	APN
Alias Name:	4138-030-023
Alias Type:	APN
Alias Name:	4138-030-024
Alias Type:	APN
Alias Name:	4138-030-025
Alias Type:	APN
Alias Name:	304639
Alias Type:	Project Code (Site Code)
Alias Name:	60001621
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/30/2012
Comments:	DTSC approved the PEA Workplan. Response to comments were acceptable.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/13/2012
Comments:	Fully executed EOA sent (FedEx) to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
edr_fname: ROCKWELL INTERNATIONAL CO
edr_fadd1: 827 DOUGLAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09539

CERS:
Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA
Site ID: 234447
CERS ID: SL204741664
CERS Description: Cleanup Program Site

156
SW
1/2-1
0.699 mi.
3690 ft.

134 CENTER STREET **CA ENVIROSTOR** **S113801375**
134 CENTER STREET **CA VCP** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
111 ft.

ENVIROSTOR:
Name: 134 CENTER STREET
Address: 134 CENTER STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002642
Status: Active
Status Date: 04/18/2018
Site Code: 301826
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.15
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach

134 CENTER STREET (Continued) **S113801375**

Assembly: , 62
Senate: , 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.91736
Longitude: -118.4050
APN: NONE SPECIFIED
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL PLATING - OTHER
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Confirmed COC: Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Potential Description: SOIL, SV
Alias Name: 301826
Alias Type: Project Code (Site Code)
Alias Name: 60002642
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 05/23/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 04/18/2018
Comments: RP submitted VCP application.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/18/2018
Comments: Report of Findings

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/05/2018
Comments: FY 1819 Estimate: $19,419

Completed Area Name: PROJECT WIDE

134 CENTER STREET (Continued) **S113801375**

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/2018
Comments: Fully executed VCA sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/26/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Land Use Restriction
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: 134 CENTER STREET
Address: 134 CENTER STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002642
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.15
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Aslam Shareef
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 301826
Assembly: , 62
Senate: , 26
Special Programs Code: Not reported
Status: Active
Status Date: 04/18/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91736 / -118.4050
APN: NONE SPECIFIED
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL PLATING - OTHER
Potential COC: 30005, 30013, 30022, 30027, 30153
Confirmed COC: 30013,30022,30027,30153
Potential Description: SOIL, SV
Alias Name: 301826
Alias Type: Project Code (Site Code)
Alias Name: 60002642
Alias Type: Envirostor ID Number

134 CENTER STREET (Continued) **S113801375**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/04/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/26/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pilot Study/Treatability Workplan
Completed Date:	05/23/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	04/18/2018
Comments:	RP submitted VCP application.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/18/2018
Comments:	Report of Findings
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/05/2018
Comments:	FY 1819 Estimate: $19,419
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/2018
Comments:	Fully executed VCA sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	08/26/2019
Comments:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Land Use Restriction
Future Due Date:	2020
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

134 CENTER STREET (Continued) **S113801375**

Schedule Revised Date: Not reported

157
South
1/2-1
0.705 mi.
3722 ft.

ALLIED SALES & SALVAGE **CA ENVIROSTOR** **S105023637**
160 SEPULVEDA **CA HIST CORTESE** **N/A**
EL SEGUNDO, CA 90245

Relative:
Lower

Actual:
110 ft.

ENVIROSTOR:

Name:	ALLIED SALES & SALVAGE
Address:	160 SOUTH SEPULVEDA BOULEVARD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19500011
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91447
Longitude:	-118.3954
APN:	4138014016
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138014016
Alias Type:	APN
Alias Name:	CAD063821789
Alias Type:	EPA Identification Number
Alias Name:	19500011
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/16/1988
Comments:	Site Screening Done: DHS will concur with EPA recommendation of NFA due to the minimal quantity of oil disposed of and the fact that the

ALLIED SALES & SALVAGE (Continued) **S105023637**

stained areas have been cleaned up. Site will be referred to Los Angeles County Health Dept. Site removed from Cortese.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/02/1987
Comments:	Site Screening Done: Evidence of a small amount of onsite disposal found.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	05/13/1981
Comments:	Facility identified via Abandoned Chemical Waste Disposal Survey. Questionnaire received. Years of Operation: 1957 to present.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST CORTESE:

edr_fname:	ALLIED SALES & SALVAGE
edr_fadd1:	160 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19500011

AG158 **201 N. DOUGLAS PROPERTY** **CA ENVIROSTOR** **S108200735**
SE **201 N. DOUGLAS STREET** **CA SCH** **N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.777 mi.
4102 ft. **Site 1 of 2 in cluster AG**

Relative: **Lower**
Actual: **97 ft.**

ENVIROSTOR:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Status:	Active
Status Date:	10/04/2012
Site Code:	304642
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Johnson Abraham

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane Hydrogen sulfide
Confirmed COC:	Methane 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	01/30/2019
Comments:	DTSC approved the Phase 2 RACR.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/03/2018
Comments:	DTSC approved the O&M Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/09/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/15/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/15/2019
Comments:	DTSC approved the report provided the enclosed comments are incorporated in future field work.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/03/2018
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2017
Comments: Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Future Due Date:	2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Plan
Schedule Due Date:	10/14/2019
Schedule Revised Date:	10/08/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	05/14/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	03/14/2020
Schedule Revised Date:	09/13/2020

SCH:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304642
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane, Hydrogen sulfide
Confirmed COC:	Methane, 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	01/30/2019
Comments:	DTSC approved the Phase 2 RACR.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/03/2018
Comments:	DTSC approved the O&M Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/09/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/15/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/15/2019
Comments:	DTSC approved the report provided the enclosed comments are incorporated in future field work.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	10/15/2012
Comments:	Fully executed EOA sent (FedEx) to District 10/16/12.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Post HARP Form
Completed Date:	08/15/2013
Comments:	On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	02/05/2013
Comments:	Fully executed sent (FedEx) to the District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/01/2013
Comments:	On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/03/2018
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/04/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2017
Comments: Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Plan
Schedule Due Date: 10/14/2019
Schedule Revised Date: 10/08/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 05/14/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 03/14/2020
Schedule Revised Date: 09/13/2020

AG159 **FORT MCARTHUR** **CA BOND EXP. PLAN** **S100833329**
ESE **200 NORTH DOUGLAS STREET, BLDG. 212** **N/A**
1/2-1 **SAN PEDRO, CA 90245**
0.783 mi.
4133 ft. **Site 2 of 2 in cluster AG**

Relative: **Lower**
Actual: **98 ft.**

CA BOND EXP. PLAN:

Reponsible Party:	FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The Department will either enter into an interagency agreement with the Department of Defense or will issue an order. The Department has budgeted $15,000 for oversight/monitoring costs. DHS will seek 100 percent cost recovery for its direct costs plus staff costs and overhead related to the project. The Department of Defense is expected to fund all remedial investigation and cleanup activities.
Site Description:	The Fort McArthur site is a former nike missile base located in the White's Point area of San Pedro. The Army transferred the site to the Air Force for housing and the Air Force transferred part of the site to the City of Los Angeles for a park. Thesite is located at 25th Street and Western Avenue in San Pedro.
Hazardous Waste Desc:	Ninety-six acres of the original 561-acre complex remain under Air Force control. The remaining properties were disposed of as surplus. An initial assessment study was performed on the active ninety-six acres of Fort McArthur. Nine acres of potential contamination were identified. Only two areas are recommended by the Air Force for further site characterization. Released wastes include pesticides and battery acids.
Threat To Public Health & Env:	Residues of hazardous wastes in the soil are the only identified environmental threat. Ground water is intruded by seawater and is unsuitable at this time for use as a drinking water supply. There is no known exposure at this time.
Site Activity Status:	The installation restoration program (IRP) has been initiated at this base. Currently, the program is in the operations/remedial action phase of the mitigation process.

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160 **NORTHROP GRUMMAN CORP (WC)** **CA ENVIROSTOR** **S103672582**
East **800 NO DOUGLAS** **N/A**
1/2-1 **LOS ANGELES, CA 90250**
0.833 mi.
4400 ft.

Relative: **Lower**
Actual: **99 ft.**

ENVIROSTOR:

Name:	NORTHROP GRUMMAN CORP (WC)
Address:	800 NO DOUGLAS
City,State,Zip:	LOS ANGELES, CA 902500000
Facility ID:	80001311
Status:	Active
Status Date:	06/14/2019
Site Code:	301862
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Luis Garcia
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92375
Longitude: -118.3802
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000627273
Alias Type: EPA Identification Number
Alias Name: 301862
Alias Type: Project Code (Site Code)
Alias Name: 80001311
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/21/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 08/13/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: RCRA Facility Assessment Report
Schedule Due Date: 04/01/2020
Schedule Revised Date: Not reported

161
NE
1/2-1
0.841 mi.
4443 ft.

AFP #9
LOS ANGELES, CA

CA ENVIROSTOR **S107735799**
N/A

Relative:
Lower

Actual:
97 ft.

ENVIROSTOR:

Name:	AFP #9
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000131
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	15.42
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93390
Longitude:	-118.3836
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F535200
Alias Type:	Federal Facility ID
Alias Name:	J09CA0217
Alias Type:	INPR
Alias Name:	80000131
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

162
East
1/2-1
0.873 mi.
4609 ft.

Relative:
Lower

Actual:
98 ft.

NORTHROP GRUMMAN EL SEGUNDO
ONE HORNET WAY
EL SEGUNDO, CA 90245

SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-LQG
ICIS
US AIRS
FINDS
ECHO

1000840757
CAD000627273

SEMS Archive:

Site ID:	0903329
EPA ID:	CAD000627273
Name:	NORTHROP CORP AIRCRAFT DIV
Address:	800 N DOUGLAS
Address 2:	Not reported
City,State,Zip:	EL SEGUNDO, CA 90250
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0903329
EPA ID:	CAD000627273
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-06-28 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903329
EPA ID:	CAD000627273
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-06-28 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0903329
EPA ID:	CAD000627273
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-11-07 05:00:00
Finish Date: 1989-11-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-27 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1990-05-21 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-04-19 00:00:00.0
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: SULAMAN AHMED
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-332-7275
Contact email: SULAMAN.AHMED@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1980-01-01 00:00:00.
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1980-01-01 00:00:00.
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	E
Accumulated waste on-site:	No

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 2016-01-29 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2012-03-09 00:00:00.0
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2010-02-04 00:00:00.0
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2008-02-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2006-03-27 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 2004-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 1998-03-10 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 1996-03-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 1994-03-25 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 58750

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6660

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 231640

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 297248

Waste code: D011
Waste name: SILVER
Amount (Lbs): 40685

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 286725

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35260

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1990-05-21 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-05-21 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Event date: 1992-03-27 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: 2017-10-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-06-17 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-05-29 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-02-20 00:00:00.0
Date achieved compliance: 1992-04-08 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1992-01-30 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-04-18 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-06-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1992-06-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1992-05-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1992-01-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-03-08 00:00:00.0

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation lead agency: State

Evaluation date: 1988-04-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-04-19 00:00:00.0
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: SULAMAN AHMED
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-332-7275
Contact email: SULAMAN.AHMED@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1980-01-01 00:00:00.
Owner/Op end date: Not reported

Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1980-01-01 00:00:00.
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 2016-01-29 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2012-03-09 00:00:00.0
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Classification: Large Quantity Generator

Date form received by agency: 2010-02-04 00:00:00.0
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2008-02-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2006-03-27 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 2004-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 1998-03-10 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 1996-03-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 1994-03-25 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D021

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Amount (Lbs): 58750

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6660

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 231640

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 297248

Waste code: D011
Waste name: SILVER
Amount (Lbs): 40685

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 286725

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35260

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1990-05-21 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-05-21 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: 2017-10-11 00:00:00.0
Violation lead agency: State

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	FR - 270
Area of violation:	TSD - General
Date violation determined:	1992-05-08 00:00:00.0
Date achieved compliance:	1992-06-17 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	1992-08-05 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	FR - 264.10-18.B
Area of violation:	TSD - General
Date violation determined:	1992-05-08 00:00:00.0
Date achieved compliance:	1993-03-08 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	1992-08-05 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	FR - 264.110-120.G
Area of violation:	TSD - Closure/Post-Closure
Date violation determined:	1992-05-08 00:00:00.0
Date achieved compliance:	1993-03-08 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date:	1992-08-05 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	FR - 268 ALL
Area of violation:	LDR - General
Date violation determined:	1992-05-08 00:00:00.0
Date achieved compliance:	1992-05-29 00:00:00.0
Violation lead agency:	State
Enforcement action:	COMPLIANCE EVALUATION INSPECTION ON-SITE

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-02-20 00:00:00.0
Date achieved compliance: 1992-04-08 00:00:00.0
Violation lead agency: EPA
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1992-01-30 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: 1990-04-09 00:00:00.0

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-04-18 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: FINANCIAL RECORD REVIEW
Enforcement action date: 1988-06-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: COMPLIANCE EVALUATION INSPECTION ON-SITE
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1992-06-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1992-05-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1992-01-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: LDR - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-04-18 00:00:00.0
Evaluation: WRITTEN INFORMAL
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

ICIS:
Enforcement Action ID: CASCAA0000060370065800098
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800098
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800097
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800097
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800047
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800047
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800046
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800046
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800032
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800032
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800031
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800031
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA0000060370065800024
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800024
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA0000060370065800023
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800023
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000840757
Region Code:	09
County Code:	CA037
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
D and B Number:	Not reported
Facility Site Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Primary SIC Code:	4511
NAICS Code:	336411
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	09
Programmatic ID:	AIR CASCA0000603700658
Facility Registry ID:	110009527486
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	2004-11-08 00:00:00
Activity Group:	Case File
Activity Type:	Case File

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-03-29 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-08 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-27 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-10-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-20 00:00:00
Activity Status Date: 2015-10-27 16:14:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-27 00:00:00
Activity Status Date: 2015-10-27 16:09:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-03 00:00:00
Activity Status Date: 2015-10-27 16:12:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-17 00:00:00
Activity Status Date: 2016-05-27 19:22:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: 2015-10-27 16:16:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-27 00:00:00
Activity Status Date: 2016-05-27 19:25:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-15 00:00:00
Activity Status Date: 2016-05-27 19:23:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-07-26 00:00:00
Activity Status Date: 2016-10-06 18:55:22
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-22 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-27 00:00:00

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-02-20 00:00:00
Activity Status Date: 2001-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-31 00:00:00
Activity Status Date: 2002-07-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: 2000-12-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-17 00:00:00
Activity Status Date: 2002-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

NORTHROP GRUMMAN EL SEGUNDO (Continued) **1000840757**

FINDS:
Registry ID: 110064127671
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110064127671

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
Registry ID: 110055862142
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110055862142

Environmental Interest/Information System:
COMPLIANCE AND EMISSIONS REPORTING
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000840757
Registry ID: 110064127671
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110064127671
Name: NORTHROP GRUMMAN EL SEGUNDO
Address: ONE HORNET WAY
City,State,Zip: EL SEGUNDO, CA 90245

163
ESE
1/2-1
0.995 mi.
5254 ft.

NORTHROP GRUMMAN MIL AIR SYS
1 HORNET
EL SEGUNDO, CA 90245

CA HWP **S105256477**
CA NPDES **N/A**
CA WDS
CA CIWQS
CA CERS

Relative:
Lower

Actual:
97 ft.

HWP:
Name: NORTHROP GRUMMAN EL SEGUNDO
Address: 1 HORNET WAY
City,State,Zip: EL SEGUNDO, CA 90245
EPA Id: CAD000627273
Cleanup Status: CLOSED
Latitude: 33.92375
Longitude: -118.3802
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627273
Facility Type: Historical - Non-Operating

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/03/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/10/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1989

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/13/1987

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 06/30/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/15/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 09/30/1991

Closure:
EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Actual Date: 06/25/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

NPDES:
Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19I006362
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 04/24/1992
Operator Name: Northrop Grumman Corp
Operator Address: PA12 1 Hornet Ave
Operator City: El Segundo
Operator State: California
Operator Zip: 90245

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 189616
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19I006362
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/24/1992
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Northrop Grumman Corp
Discharge Address: PA12 1 Hornet Ave

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar
Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189616
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I006362
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PA12 1 Hornet Ave
Discharge Name:	Northrop Grumman Corp
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Regulatory Measure ID:	189616
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Northrop Grumman Corp
Discharge Address:	PA12 1 Hornet Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar
Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	WEST COMPLEX FACILITY
Address:	1 Hornet Way
City:	EL SEGUNDO
Facility ID:	4 19I006362
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3103315418
Facility Contact:	Jennifer Sasaki
Agency Name:	NORTHROP GRUMMAN CORP. MASD
Agency Address:	One Hornet Way MS PA12/W9
Agency City,St,Zip:	El Segundo 90245
Agency Contact:	Jennifer Sasaki

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Agency Telephone:	3103315418
Agency Type:	Private
SIC Code:	3721
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Northrop Grumman Corp
Agency Address:	PA12 1 Hornet Ave, El Segundo, CA 90245
Place/Project Type:	Industrial - Aircraft
SIC/NAICS:	3721
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I006362
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/24/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.91944
Longitude: -118.37927

CERS:
Name: NORTHROP GRUMMAN EL SEGUNDO
Address: 1 HORNET WAY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 229640
CERS ID: CAD000627273
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: Northrop Grumman Corporation
Entity Title: Not reported
Affiliation Address: 2980 FAIRVIEW PARK DR
Affiliation City: FALLS CHURCH
Affiliation State: VA
Affiliation Country: Not reported
Affiliation Zip: 220420000
Affiliation Phone: 7032802529

Affiliation Type Desc: Facility Contact
Entity Name: Sulaman Ahmed
Entity Title: Not reported
Affiliation Address: ONE HORNET WAY PA14/W2
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: 3103327275

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 352157
CERS ID: 273694
CERS Description: NPDES Wastewater and Stormwater

Violations:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Violation Date: 12-22-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Eval Date: 10-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 352157
CERS ID: 273694
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 352157

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Site Name: Northrop Grumman Mil Air Sys
Violation Date: 12-22-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

NORTHROP GRUMMAN MIL AIR SYS (Continued) **S105256477**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Count: 8 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL SEGUNDO	1015757279	ROCKWELL INTL CORP EL SEGUNDO	827 N DOUGLAS ST	90245	CORRACTS, RCRA-TSDF, RCRA-SQ PADS, NY MANIFEST
EL SEGUNDO	S101296163	CITY OF EL SEGUNDO	FRANKLIN AVE	90245	CA LUST, CA HIST CORTESE
EL SEGUNDO	S125242573	835 LAPHAM STREET	835 LAPHAM STREET	90245	CA ENVIROSTOR
EL SEGUNDO	S111075899	EL SEGUNDO CITY DUMP	WEST OF WEST WALNUT AVENUE AND		CA SWF/LF
EL SEGUNDO	S125424132	ULTA BEAUTY #1580 (EL SEGUNDO)	780 S PACIFIC COAST HWY	90245	CA CERS HAZ WASTE
EL SEGUNDO	S125743099	NORDSTROM INC. 162	720 S PACIFIC COAST HWY	90245	CA CERS HAZ WASTE
LOS ANGELES	S109422338	SOUTHERN CALIFORNIA DISPOSAL	186TH STREET AND VERMONT AVENU		CA SWF/LF, CA LOS ANGELES CO L METHANE
LOS ANGELES	S107537634		AT WOODMAN AND BRANSFORD STREE		CA CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 12/06/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/25/2020
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/11/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 73
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/24/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/19/2020
Number of Days to Update: 62
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 69

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/01/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/03/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/24/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 68

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/28/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/08/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/28/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89
Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 85
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/20/2019
Date Made Active in Reports: 02/20/2020
Number of Days to Update: 62
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 65
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020
Date Data Arrived at EDR: 02/28/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/04/2019
Date Data Arrived at EDR: 01/29/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 71

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/19/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/12/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 72

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 72

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/11/2019
Date Data Arrived at EDR: 12/12/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/21/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/13/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 2

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/13/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control?s data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51
Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106
Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 02/04/2020
Number of Days to Update: 63
Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 66

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/27/2019
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 72

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/08/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/11/2019
Number of Days to Update: 62

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/13/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 70

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 02/14/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 70

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 76

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 02/07/2020
Number of Days to Update: 22

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/17/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/27/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/14/2020
Date Made Active in Reports: 03/24/2020
Number of Days to Update: 70
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/14/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 02/25/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29
Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 44

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2020
Date Data Arrived at EDR: 03/05/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 69

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 01/08/2020
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/13/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/05/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 69

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/06/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/04/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 02/04/2020
Date Made Active in Reports: 04/10/2020
Number of Days to Update: 66

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/05/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 01/03/2020
Number of Days to Update: 73
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/20/2020
Number of Days to Update: 59
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 12/23/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 60
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 02/12/2020
Date Data Arrived at EDR: 02/13/2020
Date Made Active in Reports: 04/23/2020
Number of Days to Update: 70
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020
Date Data Arrived at EDR: 01/09/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 57

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/19/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 65

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 04/24/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 13

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/23/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/07/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 71

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/03/2020
Date Made Active in Reports: 03/05/2020
Number of Days to Update: 62

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/08/2020
Number of Days to Update: 66

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/21/2020
Date Data Arrived at EDR: 01/23/2020
Date Made Active in Reports: 03/30/2020
Number of Days to Update: 67

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/10/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/20/2020
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/24/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 68

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2019
Date Data Arrived at EDR: 01/24/2020
Date Made Active in Reports: 04/01/2020
Number of Days to Update: 68

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/20/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2019
Date Data Arrived at EDR: 12/10/2019
Date Made Active in Reports: 02/21/2020
Number of Days to Update: 73

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/10/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/12/2019
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020
Date Data Arrived at EDR: 02/12/2020
Date Made Active in Reports: 04/23/2020
Number of Days to Update: 71

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/12/2020
Next Scheduled EDR Contact: 08/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/29/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/14/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

422548
650 AND 700 PACIFIC COAST HIGHWAY
EL SEGUNDO, CA 90245

TARGET PROPERTY COORDINATES

Latitude (North):	33.92505 - 33° 55' 30.18''
Longitude (West):	118.395374 - 118° 23' 43.35''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371019.4
UTM Y (Meters):	3754528.2
Elevation:	118 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640438 VENICE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

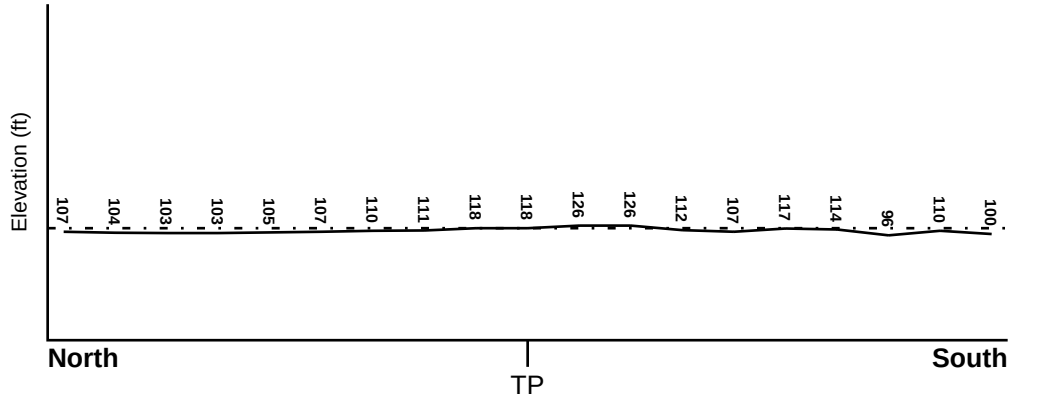
TOPOGRAPHIC INFORMATION

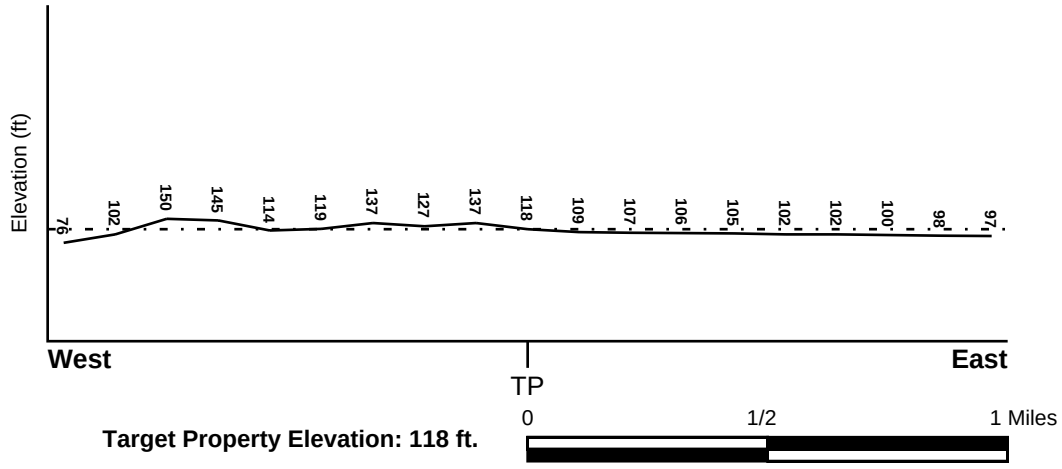
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





0 1/2 1 Miles

Target Property Elevation: 118 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1770F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1760F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VENICE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SSW
Site Name:	International Rectifier
Site EPA ID Number:	CAD076208313
Groundwater Flow Direction:	West
Inferred Depth to Water:	80 feet.
Hydraulic Connection:	Aquifers underlying the site are interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DELHI
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

clay

Shallow Soil Types: fine sandy loam
gravelly - loam
sandy clay loam
sandy clay

Deeper Soil Types: coarse sand
silty clay loam
gravelly - fine sandy loam
stratified
gravelly - sandy loam
weathered bedrock
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAOG13000005603	0 - 1/8 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

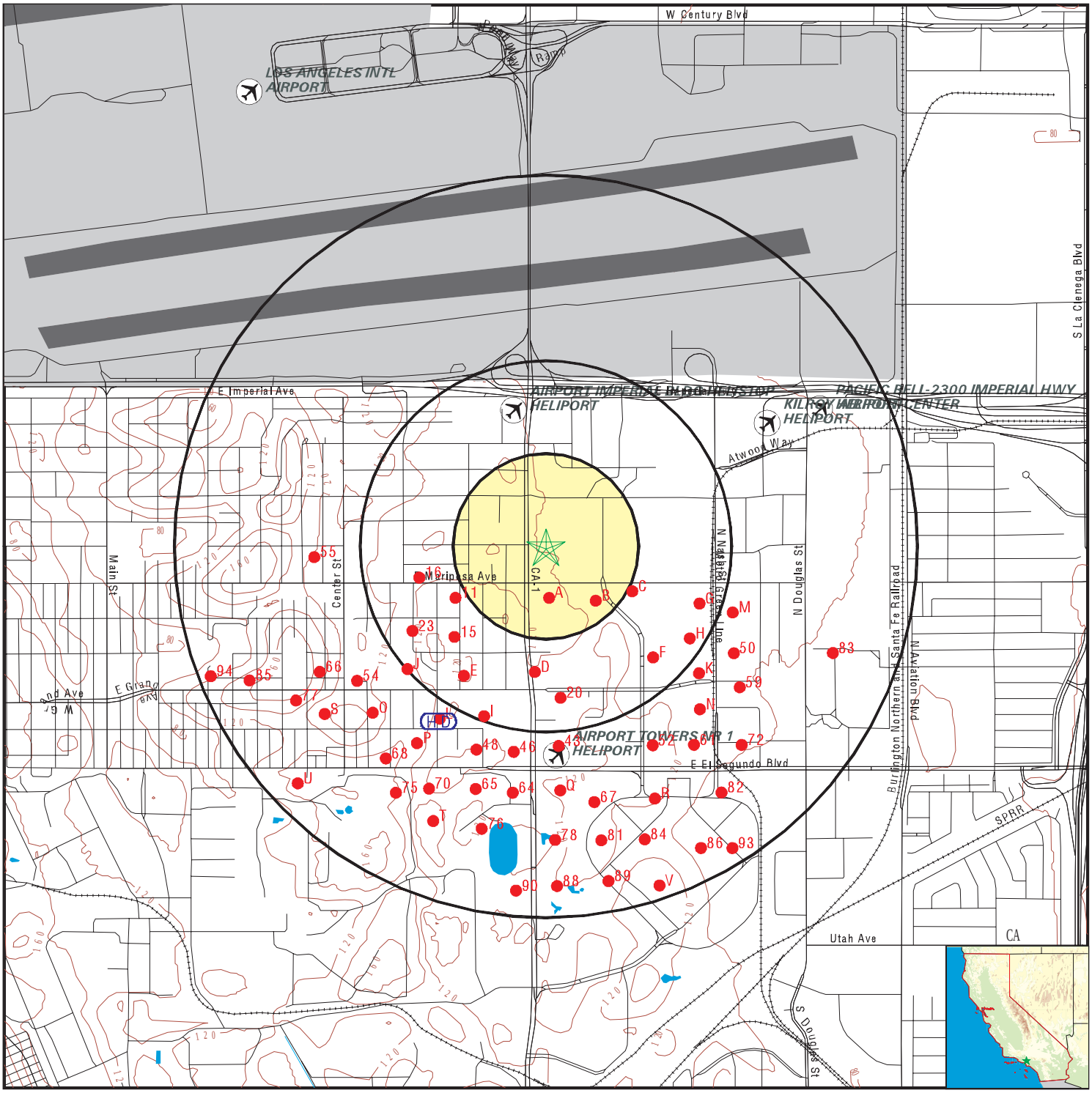
MAP ID	WELL ID	LOCATION FROM TP
A2	CAOG13000093253	1/8 - 1/4 Mile South
B3	CAOG13000093261	1/8 - 1/4 Mile SE
B4	CAOG13000093254	1/8 - 1/4 Mile SE
C5	CAOG13000093260	1/8 - 1/4 Mile ESE
C6	CAOG13000093268	1/8 - 1/4 Mile ESE
C7	CAOG13000093267	1/8 - 1/4 Mile ESE
C8	CAOG13000093269	1/8 - 1/4 Mile ESE
C9	CAOG13000093272	1/4 - 1/2 Mile ESE
C10	CAOG13000093297	1/4 - 1/2 Mile ESE
11	CAOG13000005262	1/4 - 1/2 Mile WSW
C12	CAOG13000093259	1/4 - 1/2 Mile ESE
C13	CAOG13000093266	1/4 - 1/2 Mile ESE
D14	CAOG13000093252	1/4 - 1/2 Mile South
15	CAOG13000093200	1/4 - 1/2 Mile SW
16	CAOG13000005486	1/4 - 1/2 Mile WSW
D17	CAOG13000093232	1/4 - 1/2 Mile South
E18	CAOG13000093234	1/4 - 1/2 Mile SSW
F19	CAOG13000093255	1/4 - 1/2 Mile SE
20	CAOG13000093250	1/4 - 1/2 Mile South
G21	CAOG13000093257	1/4 - 1/2 Mile ESE
G22	CAOG13000093271	1/4 - 1/2 Mile ESE
23	CAOG13000093282	1/4 - 1/2 Mile WSW
E24	CAOG13000093218	1/4 - 1/2 Mile SW
F25	CAOG13000093191	1/4 - 1/2 Mile SE
G26	CAOG13000093296	1/4 - 1/2 Mile ESE
H27	CAOG13000093258	1/4 - 1/2 Mile ESE
G28	CAOG13000093256	1/4 - 1/2 Mile ESE
H29	CAOG13000093262	1/4 - 1/2 Mile ESE
G30	CAOG13000093263	1/4 - 1/2 Mile ESE
G31	CAOG13000093251	1/4 - 1/2 Mile ESE
I32	CAOG13000093229	1/4 - 1/2 Mile SSW
H33	CAOG13000093194	1/4 - 1/2 Mile SE
J34	CAOG13000093233	1/4 - 1/2 Mile SW
I35	CAOG13000093242	1/2 - 1 Mile SSW
J36	CAOG13000093221	1/2 - 1 Mile SW
K37	CAOG13000093192	1/2 - 1 Mile SE
K38	CAOG13000093264	1/2 - 1 Mile SE
L39	CAOG13000093244	1/2 - 1 Mile SSW
K40	CAOG13000093294	1/2 - 1 Mile SE
M41	CAOG13000093226	1/2 - 1 Mile ESE
M42	CAOG13000093227	1/2 - 1 Mile ESE
43	CAOG13000093248	1/2 - 1 Mile South
L44	CAOG13000093230	1/2 - 1 Mile SSW
K45	CAOG13000093270	1/2 - 1 Mile SE
46	CAOG13000093208	1/2 - 1 Mile South
K47	CAOG13000093249	1/2 - 1 Mile SE
48	CAOG13000093209	1/2 - 1 Mile SSW
L49	CAOG13000093225	1/2 - 1 Mile SW
50	CAOG13000093228	1/2 - 1 Mile ESE
N51	CAOG13000093237	1/2 - 1 Mile SE
52	CAOG13000093236	1/2 - 1 Mile SSE
N53	CAOG13000093265	1/2 - 1 Mile SE
54	CAOG13000093203	1/2 - 1 Mile SW
55	CAOG13000005352	1/2 - 1 Mile West
O56	CAOG13000093199	1/2 - 1 Mile SW
P57	CAOG13000093211	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P58	CAOG13000093212	1/2 - 1 Mile SW
59	CAOG13000093246	1/2 - 1 Mile SE
Q60	CAOG13000093243	1/2 - 1 Mile South
61	CAOG13000093247	1/2 - 1 Mile SE
O62	CAOG13000093204	1/2 - 1 Mile SW
Q63	CAOG13000093287	1/2 - 1 Mile South
64	CAOG13000093273	1/2 - 1 Mile South
65	CAOG13000093275	1/2 - 1 Mile SSW
66	CAOG13000093201	1/2 - 1 Mile WSW
67	CAOG13000093290	1/2 - 1 Mile South
68	CAOG13000093224	1/2 - 1 Mile SW
R69	CAOG13000093219	1/2 - 1 Mile SSE
70	CAOG13000093277	1/2 - 1 Mile SSW
S71	CAOG13000093281	1/2 - 1 Mile SW
72	CAOG13000093245	1/2 - 1 Mile SE
S73	CAOG13000093280	1/2 - 1 Mile SW
R74	CAOG13000093195	1/2 - 1 Mile SSE
75	CAOG13000093278	1/2 - 1 Mile SSW
76	CAOG13000093274	1/2 - 1 Mile SSW
77	CAOG13000093222	1/2 - 1 Mile WSW
78	CAOG13000093288	1/2 - 1 Mile South
T79	CAOG13000093193	1/2 - 1 Mile SSW
T80	CAOG13000093279	1/2 - 1 Mile SSW
81	CAOG13000093285	1/2 - 1 Mile South
82	CAOG13000093197	1/2 - 1 Mile SE
83	CAOG13000093210	1/2 - 1 Mile ESE
84	CAOG13000093220	1/2 - 1 Mile SSE
85	CAOG13000093202	1/2 - 1 Mile WSW
86	CAOG13000093215	1/2 - 1 Mile SSE
U87	CAOG13000093295	1/2 - 1 Mile SW
88	CAOG13000093289	1/2 - 1 Mile South
89	CAOG13000093286	1/2 - 1 Mile South
90	CAOG13000093276	1/2 - 1 Mile South
U91	CAOG13000093293	1/2 - 1 Mile SW
V92	CAOG13000093213	1/2 - 1 Mile SSE
93	CAOG13000093216	1/2 - 1 Mile SSE
94	CAOG13000093231	1/2 - 1 Mile WSW
V95	CAOG13000093196	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 6068889.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	422548	CLIENT:	AEI Consultants
ADDRESS:	650 and 700 Pacific Coast Highway El Segundo CA 90245	CONTACT:	Lacee Elam
LAT/LONG:	33.92505 / 118.395374	INQUIRY #:	6068889.2s
		DATE:	May 20, 2020 10:25 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
South
0 - 1/8 Mile

OIL_GAS **CAOG13000005603**

API #:	0403705175	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Atlantic Richfield Company		
Lease Name:	Santa Fe B	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

A2
South
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093253**

API #:	0403707217	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B3
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093261**

API #:	0403707225	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B4
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093254**

API #:	0403707218	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C5
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093260**

API #:	0403707224	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C6
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093268**

API #:	0403707232	Well #:	27
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C7
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093267**

API #:	0403707231	Well #:	26
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C8
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG13000093269**

API #:	0403707233	Well #:	29
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C9
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093272**

API #:	0403707236	Well #:	32
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C10
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093297**

API #:	0403720612	Well #:	33
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

11
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005262**

API #:	0403705485	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Howard Oil Co., Inc.	Lease Name:	Mary
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C12
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093259**

API #:	0403707223	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C13
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093266**

API #:	0403707230	Well #:	25
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D14
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093252**

API #:	0403707216	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

15
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093200**

API #:	0403707563	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

16
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005486**

API #:	0403705802	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	George R. Rider	Lease Name:	Lease by George R. Rider
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D17
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093232**

API #:	0403707596	Well #:	2-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E18
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093234**

API #:	0403707598	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F19
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093255**

API #:	0403707219	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

20
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093250**

API #:	0403707214	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

G21
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093257**

API #:	0403707221	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G22
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093271**

API #:	0403707235	Well #:	31
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

23
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093282**

API #:	0403707246	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Termo Company	Lease Name:	Termo-Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E24
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093218**

API #:	0403707582	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

F25
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093191**

API #:	0403700180	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G26
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093296**

API #:	0403723168	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

H27
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093258**

API #:	0403707222	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G28
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093256**

API #:	0403707220	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

H29
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093262**

API #:	0403707226	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G30
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093263**

API #:	0403707227	Well #:	21
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G31
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093251**

API #:	0403707215	Well #:	8
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I32
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093229**

API #:	0403707593	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Government Refining & Gasoline Corp.Ltd.		
Lease Name:	Ramsey-Wallace	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

H33
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093194**

API #:	0403700874	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J34
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093233**

API #:	0403707597	Well #:	9-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I35
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093242**

API #:	0403707206	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Ruchti Petro. Co., Inc.	Lease Name:	Lease by Ruchti Petro. Co., Inc.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J36
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093221**

API #:	0403707585	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Briles Manufacturing	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K37
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093192**

API #:	0403700181	Well #:	28
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K38
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093264**

API #:	0403707228	Well #:	22
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L39
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093244**

API #:	0403707208	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	K. Sims	Lease Name:	Copinger-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K40
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093294**

API #:	0403720650	Well #:	34
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M41
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093226**

API #:	0403707590	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M42
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093227**

API #:	0403707591	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

43
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093248**

API #:	0403707212	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L44
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093230**

API #:	0403707594	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Signal Hill Petroleum, Inc.		
Lease Name:	Elsie Comm.	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

K45
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093270**

API #:	0403707234	Well #:	30
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

46
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093208**

API #:	0403707571	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

K47
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093249**

API #:	0403707213	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

48
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093209**

API #:	0403707572	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

L49
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093225**

API #:	0403707589	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Corp.	Lease Name:	Grauman-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

50
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093228**

API #:	0403707592	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Goodwin
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

N51
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093237**

API #:	0403707201	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

52
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093236**

API #:	0403707600	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

N53
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093265**

API #:	0403707229	Well #:	23
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

54
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093203**

API #:	0403707566	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

55
West
1/2 - 1 Mile

OIL_GAS **CAOG13000005352**

API #:	0403705566	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Larco Oil Co.	Lease Name:	Van
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O56
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093199**

API #:	0403707562	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Converse	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

P57
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093211**

API #:	0403707575	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

P58
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093212**

API #:	0403707576	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

59
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093246**

API #:	0403707210	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q60
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093243**

API #:	0403707207	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Shell Western E&P Inc.	Lease Name:	Fortuna
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

61
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093247**

API #:	0403707211	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O62
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093204**

API #:	0403707567	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Silver Wing Oil Co.	Lease Name:	Guaranty-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q63
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093287**

API #:	0403707251	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

64
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093273**

API #:	0403707237	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

65
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093275**

API #:	0403707239	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

66
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093201**

API #:	0403707564	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

67
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093290**

API #:	0403707254	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

68
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093224**

API #:	0403707588	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R69
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093219**

API #:	0403707583	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

70
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093277**

API #:	0403707241	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S71
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093281**

API #:	0403707245	Well #:	2
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

72
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093245**

API #:	0403707209	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

S73
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093280**

API #:	0403707244	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R74
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093195**

API #:	0403702332	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

75
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093278**

API #:	0403707242	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

76
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093274**

API #:	0403707238	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

77
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093222**

API #:	0403707586	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Conoco Inc.	Lease Name:	Elsie Community
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

78
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093288**

API #:	0403707252	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T79
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093193**

API #:	0403700182	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T80
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093279**

API #:	0403707243	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

81
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093285**

API #:	0403707249	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

82
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093197**

API #:	0403702334	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

83
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093210**

API #:	0403707573	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Howard	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

84
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093220**

API #:	0403707584	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

85
WSW **OIL_GAS** **CAOG13000093202**
1/2 - 1 Mile

API #:	0403707565	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

86
SSE **OIL_GAS** **CAOG13000093215**
1/2 - 1 Mile

API #:	0403707579	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U87
SW **OIL_GAS** **CAOG13000093295**
1/2 - 1 Mile

API #:	0403720213	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

88
South **OIL_GAS** **CAOG13000093289**
1/2 - 1 Mile

API #:	0403707253	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

89
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093286**

API #:	0403707250	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

90
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093276**

API #:	0403707240	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U91
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093293**

API #:	0403720294	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V92
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093213**

API #:	0403707577	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Republic	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

93
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093216**

API #:	0403707580	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

94
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093231**

API #:	0403707595	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	El Segundo Construction Co.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

V95
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093196**

API #:	0403702333	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90245	101	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORICAL SOURCES

422548

650 and 700 Pacific Coast Highway

El Segundo, CA 90245

Inquiry Number: 6068889.5

May 20, 2020

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

05/20/20

Site Name:

422548
650 and 700 Pacific Coast Higł
El Segundo, CA 90245
EDR Inquiry # 6068889.5

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Lacee Elam

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: January 18, 1977	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1953	1"=500'	Flight Date: November 19, 1953	USDA
1947	1"=500'	Flight Date: June 29, 1947	FAIR
1938	1"=500'	Flight Date: October 07, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2016

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2012

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

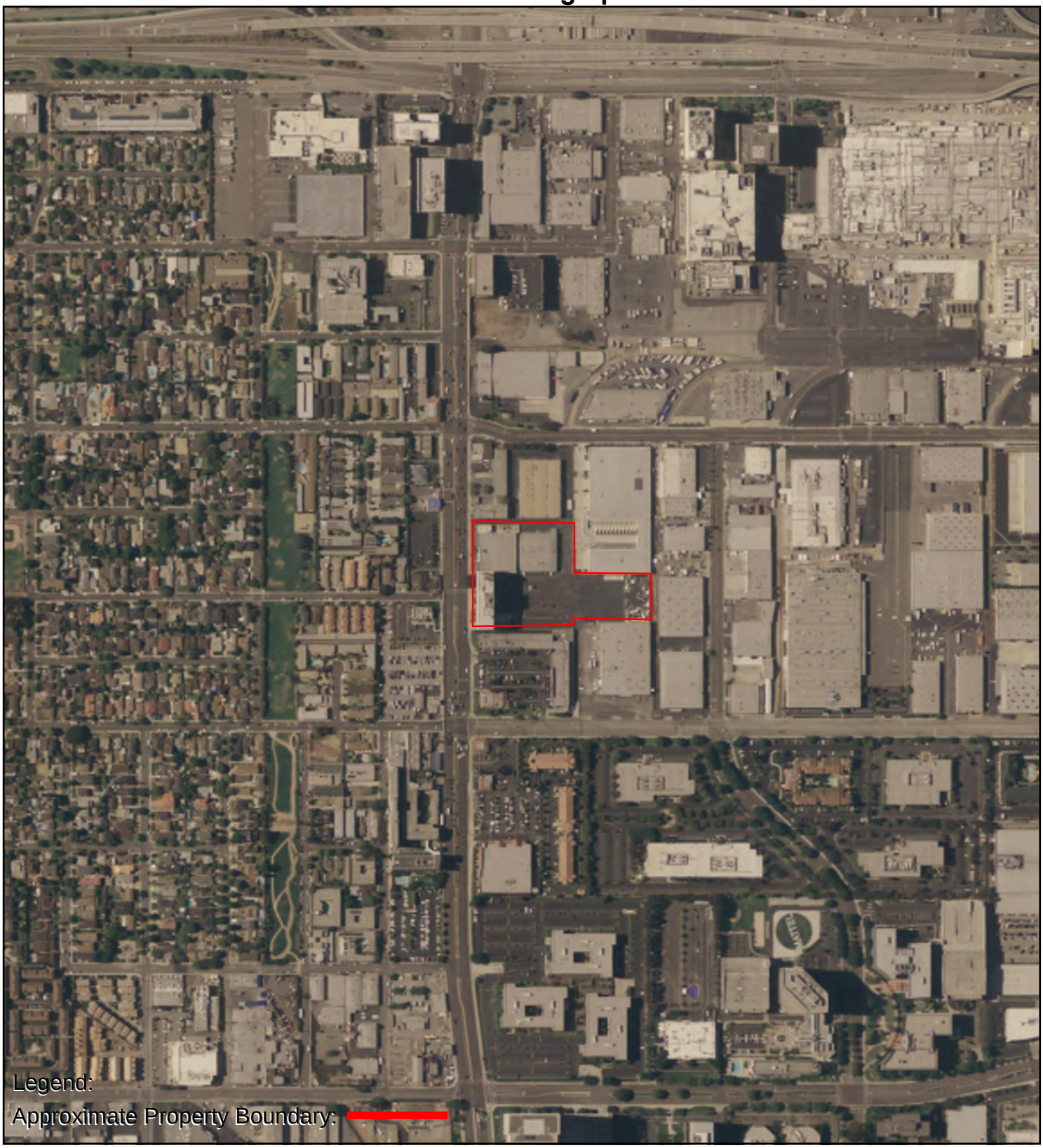
0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2009

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants



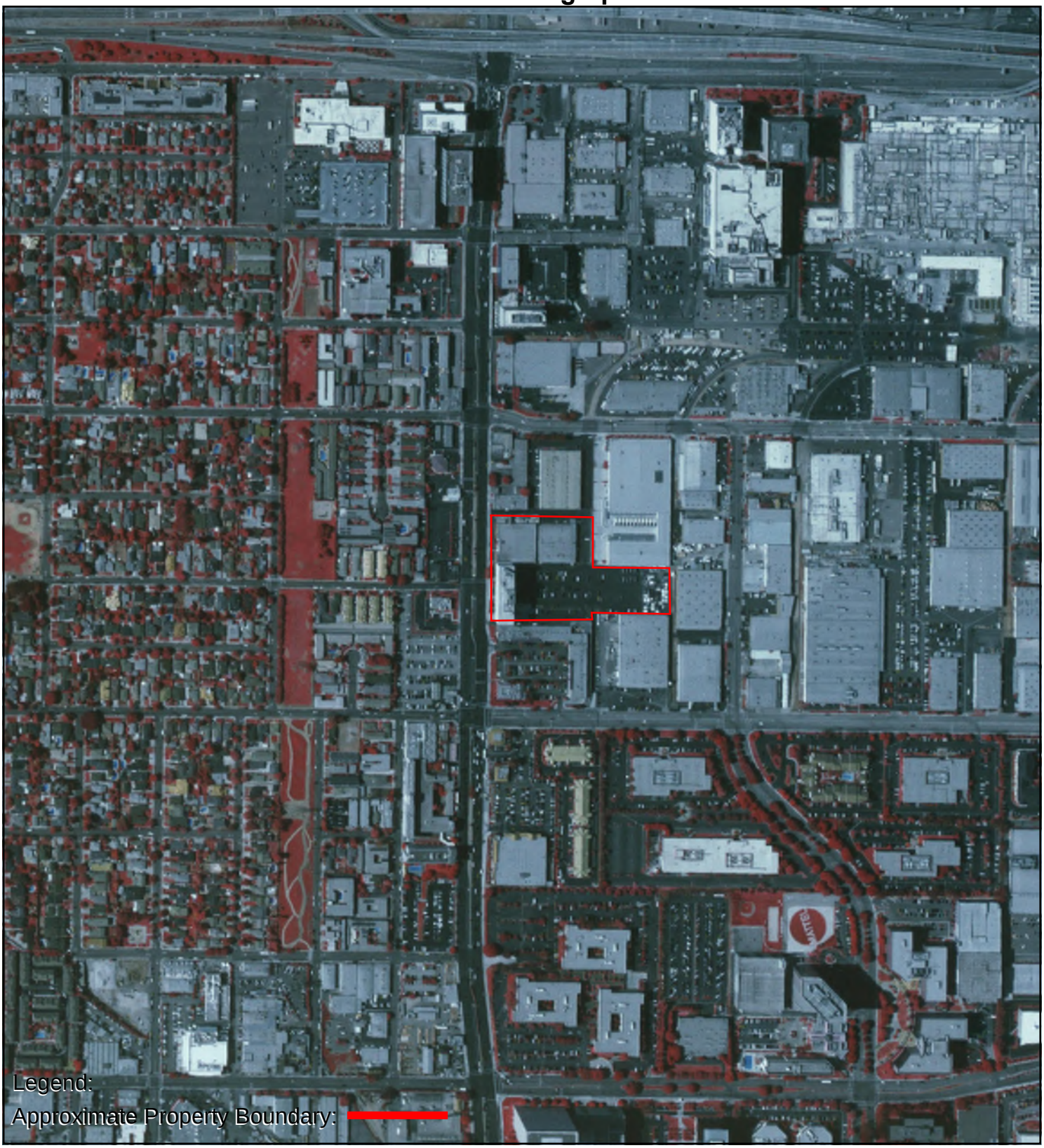
0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2005

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants



0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 2002

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

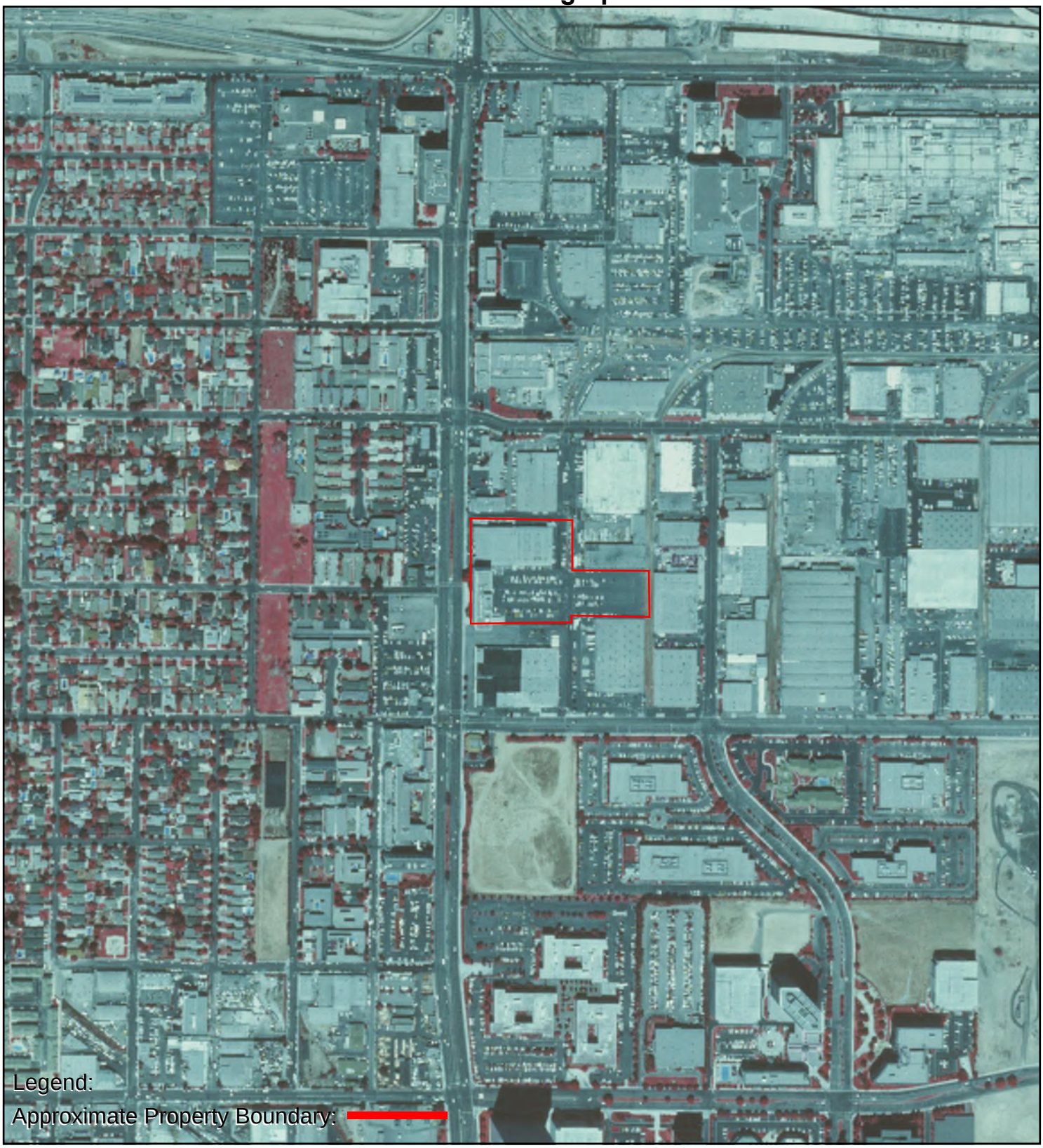
0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1994

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants



0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1989

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1981

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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AERIAL PHOTOGRAPH - 1979

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1977

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

N

AERIAL PHOTOGRAPH - 1963

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1953

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1947

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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AERIAL PHOTOGRAPH - 1938

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

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N

AERIAL PHOTOGRAPH - 1928

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0 Feet 500 1000 2000

N

AERIAL PHOTOGRAPH - 1923

650 and 700 Pacific Coast Highway, El Segundo, CA 90245

AEI Consultants

422548

650 and 700 Pacific Coast Highway

El Segundo, CA 90245

Inquiry Number: 6068889.3

May 20, 2020

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/20/20

Site Name:

422548
650 and 700 Pacific Coast Higl
El Segundo, CA 90245
EDR Inquiry # 6068889.3

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Lacee Elam

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Certified Sanborn Results:

Certification # 24DD-4811-87AD

PO # 225961

Project 422548

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 24DD-4811-87AD

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- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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422548
650 and 700 Pacific Coast Highway
El Segundo, CA 90245

Inquiry Number: 6068889.6
May 20, 2020

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2015. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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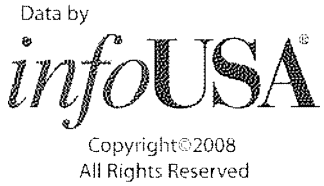

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2015	Cole Information Services	-	X	X	-
2009	Cole Information Services	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Cole Information Services	-	X	X	-
	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone Co	-	X	X	-
1999	Cole Information Services	-	X	X	-
	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Pacific Bell Telephone Co	-	X	X	-
1994	Cole Information Services	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell Telephone Co	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone Co	-	X	X	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone Co	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	X	X	X	-
	Pacific Telephone Co	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	X	X	X	-
1966	Pacific Telephone	-	X	X	-
1965	The Pacific Telephone and Telegraph Co	-	X	X	-
1964	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	X	X	X	-
	Pacific Telephone and Telegraph Company	X	X	X	-
1958	Pacific Telephone	-	X	X	-
1957	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	X	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	X	X	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

650 and 700 Pacific Coast Highway
El Segundo, CA 90245

FINDINGS DETAIL

Target Property research detail.

Pacific Coast

650 Pacific Coast

Year	*Uses*	*Source*
2001	CA MARKING DEVICE	Haines & Company, Inc.
1971	Paces Printing & Stationers	Pacific Telephone
1970	PACES PRINTING & STATIONERS	Pacific Telephone
1967	Paces Printing & Stationers	Pacific Telephone
1964	PACE S PRINTING & STATIONERS	Pacific Telephone
1962	Paces Printing & Stationers	Pacific Telephone
1960	PACES PRINTING & STATIONERS	Pacific Telephone
1957	SOUTH BAY CYCLE	Pacific Telephone
1954	GALL S CYCLE SHOP	R. L. Polk & Co.
1950	GALL S CYCLE SHOP	Pacific Telephone

700 Pacific Coast

Year	*Uses*	*Source*
2001	JAMA AUTO HOUSE INC	Haines & Company, Inc.
1970	G-B IMPORT SALES	Pacific Telephone
1967	G B Import Sales & Service auto dealers	Pacific Telephone
1964	NEWCASTLE AUTOS	Pacific Telephone
1960	NEWCASTLE SPORTS CAR CENTRE LTD	Pacific Telephone
	NEWCASTLE SPORTS CAR SERV AUTO DIR	Pacific Telephone
1957	NEWCASTLE SPORTS CAR CENTRE LTD	Pacific Telephone
	NEWCASTLE SPORTS CAR SERV AUTO DIR	Pacific Telephone
1954	RIVIERA IMPORTED CARS	R. L. Polk & Co.
1950	HAWORTH CHEVROLET CO OFC	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E MAPLE AVE

1633 E MAPLE AVE

Year	*Uses*	*Source*
2015	RYAN MOZENA	Cole Information Services
	HANNAH VIDAL	Cole Information Services
	DINESH SOLANKI	Cole Information Services
	ALLISON JORDAN	Cole Information Services
2009	CAROL VONMERTENS	Cole Information Services
	STUDIOCLAY	Cole Information Services
	ALFONSO RIOS	Cole Information Services
2004	SARA CUPP	Cole Information Services
	ROCIO MENDOZA	Cole Information Services
	DAVID KERIN	Cole Information Services
2000	Building	Pacific Bell Telephone Co
	2 Gonzalez Ma De Lourdes	Pacific Bell Telephone Co
	6 Cupp Sara	Pacific Bell Telephone Co
1999	ALFONSO RIOS	Cole Information Services
	CAROL VONMERTENS	Cole Information Services
1995	2 Vei Alolisa	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1994	LAURENSON, SARAH	Cole Information Services
	VEI, ALOLISA	Cole Information Services
1990	5 Stewart N T	Pacific Bell Telephone Co
	4 Chancellor James	Pacific Bell Telephone Co
	1 Smith Brent K	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1980	5 Tavares Maria	Pacific Telephone Co
	3 Gannon M B	Pacific Telephone Co
	2 Goodsell Wm	Pacific Telephone Co
1975	4 Wong Alan C O	Pacific Telephone Co
	Building	Pacific Telephone Co
	3 Campeau Joe D	Pacific Telephone Co
	1 Buffmire Wallace R	Pacific Telephone Co
	5 Cross Chas P	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	6 Stone Geo	Pacific Telephone Co
1970	6 Vaughn John P	Pacific Telephone Co
	3 Richey W A	Pacific Telephone Co
	1 Hurst Ron	Pacific Telephone Co
	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company

1637 E MAPLE AVE

Year	Uses	Source
2015	MOLLY GROSSMAN	Cole Information Services
	STEPHEN EDWARDS	Cole Information Services
	CATHY DOMANN	Cole Information Services
2009	JOHN BAUMBACH	Cole Information Services
	MEGAN GERLACH	Cole Information Services
	SHAWN VANOSTRAND	Cole Information Services
2004	THOMAS PAYNE	Cole Information Services
	SOUTH BAY SURF SCHOOL	Cole Information Services
	FU SUDARMADJI	Cole Information Services
	MICHAEL AWADA	Cole Information Services
2000	+ 3 Khanna Rajashekar R	Pacific Bell Telephone Co
	1 Sudarmadji Fu	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1999	MEGAN GERLACH	Cole Information Services
	JOHN BAUMBACH	Cole Information Services
	SHAWN VANOSTRAND	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	3 Hollander Todd	Pacific Bell Telephone Co
	+ 5 Reis Ricardo	Pacific Bell Telephone Co
1994	BACIL, EDUARDO	Cole Information Services
1990	+ 2 Marks Barry	Pacific Bell Telephone Co
	1 Cousins G	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1980	Building	Pacific Telephone Co
	4 Schlasta B	Pacific Telephone Co
	3 Long Cecil E	Pacific Telephone Co
	5 Harrison M J	Pacific Telephone Co
1975	6 Keenan H J	Pacific Telephone Co
	4 Nelson Wm B	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	3 Slusser Jas M	Pacific Telephone Co
	Building	Pacific Telephone Co
1970	3 Osbrink Robt H	Pacific Telephone Co
	2 Suntornnate Thirdkul	Pacific Telephone Co
	Building	Pacific Telephone Co
	Putt H A	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company

1641 E MAPLE AVE

Year	Uses	Source
2015	RON DOMINGUEZ	Cole Information Services
	SIKK SKOOTERS	Cole Information Services
	DANIEL NEDWICH	Cole Information Services
	ERICA OLSON	Cole Information Services
2009	PERRY DENISI	Cole Information Services
	MARO CARRENO	Cole Information Services
	ERIKA ANDERSON	Cole Information Services
	GLEN FOLLAND	Cole Information Services
2004	PERRY DENISI	Cole Information Services
	RON DOMINGUEZ	Cole Information Services
	GLEN FOLLAND	Cole Information Services
2001	A DAVENPORTJ HJ	Haines & Company, Inc.
	D DOMINGUEZRon	Haines & Company, Inc.
2000	D Dominguez Ron	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	A Davenport J H Jr	Pacific Bell Telephone Co
1999	PERRY DENISI	Cole Information Services
	MARO CARRENO	Cole Information Services
	ERIKA ANDERSON	Cole Information Services
	GLEN FOLLAND	Cole Information Services
1995	A Davenport J H Jr	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	E Chalfie B	Pacific Bell Telephone Co
1994	CHALFIE, BARRY	Cole Information Services
	DAVENPORT, JOHN H JR	Cole Information Services
1990	E Chialfie B	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1980	E Ray Jas M	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	A Farkas Jas W	Pacific Telephone Co
	Building	Pacific Telephone Co
1975	Building	Pacific Telephone Co
	A Gregory Shirley	Pacific Telephone Co
	B Roberts Dellene	Pacific Telephone Co
	D Van Camp Elizabeth	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	A Gregory Shirley	Pacific Telephone Co
	C Daulton Greg R	Pacific Telephone Co
	D Fitzpatrick Robt G	Pacific Telephone Co
1965	APARTMENT A BARBERA R E E	The Pacific Telephone and Telegraph Co
	C CODDINGTON J E	The Pacific Telephone and Telegraph Co
	D TORRENCE PAUL L	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company
	A ANDRE GORDON G EA	Pacific Telephone and Telegraph Company
	C FULLMER GEORGIA V EA	Pacific Telephone and Telegraph Company
	D CORIGLIANO PAUL EA	Pacific Telephone and Telegraph Company

1645 E MAPLE AVE

Year	Uses	Source
2015	DONALD SCHOBEL	Cole Information Services
	KRISTY EVANS	Cole Information Services
2009	MOJGAN GHARABAGHLI	Cole Information Services
	LEOTIS PALMER	Cole Information Services
	TIM WOHLGEMUTH	Cole Information Services
2004	MARTHA MEDRANO	Cole Information Services
	RICHARD HEATH	Cole Information Services
	JOHN KENNEDY	Cole Information Services
	RONDA OLIVE	Cole Information Services
	GREGORY BALDWIN	Cole Information Services
2000	Building	Pacific Bell Telephone Co
	A Mc Nulty Michael J	Pacific Bell Telephone Co
1999	DAMON CARTEE	Cole Information Services
	MOJGAN GHARABAGHLI	Cole Information Services
	LEOTIS PALMER	Cole Information Services
	TIM WOHLGEMUTH	Cole Information Services
1990	E Middler Joseph	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1980	E Middler Joseph	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	D Fuller B	Pacific Telephone Co
	C Warth Earcel	Pacific Telephone Co
	Building	Pacific Telephone Co
1975	Building	Pacific Telephone Co
	C Warth Earcel	Pacific Telephone Co
	E Greenhaigh Lana	Pacific Telephone Co
	A Hosner D	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	A Collett Frank H	Pacific Telephone Co
	B Davis Jane F	Pacific Telephone Co
	C Aurelius John E	Pacific Telephone Co
	E Greenhaigh Lana	Pacific Telephone Co
1965	APARTMENT A COLLETT FRANK H E	The Pacific Telephone and Telegraph Co
	B LUNDY D E	The Pacific Telephone and Telegraph Co
	C AURELIUS J E	The Pacific Telephone and Telegraph Co
	D PROCTOR A L V	The Pacific Telephone and Telegraph Co
	E GARDNER E	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company
	A COLLETT FRANK H EA	Pacific Telephone and Telegraph Company
	B PATTERSON ROST T EA	Pacific Telephone and Telegraph Company
	C HUFF SANDRA L EA	Pacific Telephone and Telegraph Company
	D ANDERSON ROBT J EA	Pacific Telephone and Telegraph Company
	E HALL CELlea	Pacific Telephone and Telegraph Company
1957	JAKVARY MARGARET MRS	Pacific Telephone

1649 E MAPLE AVE

Year	Uses	Source
2015	LORIE KIM	Cole Information Services
	CYNDY SNYDER	Cole Information Services
	GERARD SPIEGEL	Cole Information Services
	CAROL CUVILLIER	Cole Information Services
	NIUSHA GUTIERREZ	Cole Information Services
2009	CYNTHIA SNYDER	Cole Information Services
	STEVE TERRY	Cole Information Services
	KYLE BARR	Cole Information Services
	JORDAN SNOW	Cole Information Services
2004	JAROM GILES	Cole Information Services
	CYNTHIA SNYDER	Cole Information Services
	JOHN BOWLER	Cole Information Services

FINDINGS

Year	Uses	Source
2004	SHANNON SIMMONS	Cole Information Services
2001	BOWLER John	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Giles Jarom A	Pacific Bell Telephone Co
1999	CYNTHIA SNYDER	Cole Information Services
	KYLE BARR	Cole Information Services
	STEVE TERRY	Cole Information Services
	JORDAN SNOW	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	2 Justis H L	Pacific Bell Telephone Co
	4 Bowler John R	Pacific Bell Telephone Co
1994	JUSTIS, HELENE L	Cole Information Services
	BOWLER, JOHN	Cole Information Services
	BOWLER, JOHN R	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	2 Justls H L	Pacific Bell Telephone Co
	3 Jacoby Christopher	Pacific Bell Telephone Co
	4 Bowler John R	Pacific Bell Telephone Co
1980	Building	Pacific Telephone Co
	2 Justis H L	Pacific Telephone Co
	3 Taylor M J	Pacific Telephone Co
	4 Klutts Chas C	Pacific Telephone Co
	6 Stubblefield Mike	Pacific Telephone Co
1975	4 Klutts Chas C	Pacific Telephone Co
	6 Turnbull Donald	Pacific Telephone Co
	Building	Pacific Telephone Co
	2 Harrington Curtis G	Pacific Telephone Co
	3 Taylor M J	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Webster Robt J	Pacific Telephone Co
	2 Harrington Curtis G	Pacific Telephone Co
	3 Hughes Walter A Rev	Pacific Telephone Co
	4 Widel Chas	Pacific Telephone Co
	5 Moloney Alice	Pacific Telephone Co
	6 Turnbull Donald	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company

FINDINGS

1653 E MAPLE AVE

Year	Uses	Source
2015	VAJISHA GUNAWARDENA	Cole Information Services
	DWAYNE ZAMORA	Cole Information Services
2009	FOSTER KEDDIE	Cole Information Services
	NATALIE ANDREWS	Cole Information Services
	KATHARINE FOSTER	Cole Information Services
2004	MATTHEW HENDERSON	Cole Information Services
	ROBERT LUETGENS	Cole Information Services
	HIROKO IWASA	Cole Information Services
	KATHARINE FOSTER-KEDDIE	Cole Information Services
	S IRIE	Cole Information Services
	KING OF THE AGES	Cole Information Services
2001	CHICKS	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	3 Luetgens Robert A	Pacific Bell Telephone Co
	5 Chick J J	Pacific Bell Telephone Co
	6 Ludwig Christina	Pacific Bell Telephone Co
1999	NATALIE ANDREWS	Cole Information Services
	FOSTER KEDDIE	Cole Information Services
	KATHARINE FOSTER	Cole Information Services
1994	MCCRACKEN, MARK	Cole Information Services
	PERKINS, WALTER C	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	5 Neville Bridget	Pacific Bell Telephone Co
	6 Jacobellls R	Pacific Bell Telephone Co
1980	Building	Pacific Telephone Co
	3 Coates Howard E	Pacific Telephone Co
	6 Jacobellis R	Pacific Telephone Co
1975	Building	Pacific Telephone Co
	1 Roberts Dolores	Pacific Telephone Co
	3 Wagner Ralph L Jr	Pacific Telephone Co
	5 Kikuchi Toshi	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Roberts Dolores	Pacific Telephone Co
	3 Swarts ML	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co
1960	APARTMENT	Pacific Telephone and Telegraph Company
	I BARTHOLOMEW DONALD EA	Pacific Telephone and Telegraph Company

FINDINGS

Year	Uses	Source
1954	VICKERY SAMI N	R. L. Polk & Co.

1811 E MAPLE AVE

Year	Uses	Source
1970	Trojan Printers & Stationers	Pacific Telephone Co

1813 E MAPLE AVE

Year	Uses	Source
2001	GOOMAN Paul	Haines & Company, Inc.
1960	X LLOYD ANDREA J EA	Pacific Telephone and Telegraph Company
	MOTEL	Pacific Telephone and Telegraph Company
1950	LOG CABIN MOTEL	Pacific Telephone
1946	Log Cabin Motel	Southern California Telephone Co

1910 E MAPLE AVE

Year	Uses	Source
2015	MARSHALL ELECTRONICS	Cole Information Services
2009	SHEPFIELD LEASING	Cole Information Services
	MARSHALL ELECTRONICS INC	Cole Information Services
2001	XXXX	Haines & Company, Inc.
2000	MARSHALL ELECTRONICS ING	Pacific Bell Telephone Co
1995	MAYFLOWER BOX & SHIP	Pacific Bell Telephone Co
	American Eagle	Pacific Bell
	American Eagle Moving	Pacific Bell
	Bekins Box & Ship See Mayflower Box & Ship	Pacific Bell
	Mayflower Box & Ship	Pacific Bell
	El Segundo	Pacific Bell
1994	AMERICAN EAGLE MOVING	Cole Information Services
	BEKINS MOVING & STORAGE	Cole Information Services
	BEKINS BOX&SHIP INC	Cole Information Services
1975	Seaboard World Airlines Inc	Pacific Telephone Co
	Sales	Pacific Telephone
1970	Homewood Distributing Co	Pacific Telephone Co
1965	HOMEWOOD DISTR CO E	The Pacific Telephone and Telegraph Co
	HOMEWD DISTRBUTNG SP	The Pacific Telephone and Telegraph Co
1960	HOMEWOOD DISTR CO	Pacific Telephone and Telegraph Company
	HOMEWD DISTRBUTNG 5 P	Pacific Telephone and Telegraph Company

FINDINGS

1920 E MAPLE AVE

Year	Uses	Source
1980	DOUGLAS FURNITURE OF CALIF E MAPLE AVE EL SEGUNDO	Pacific Telephone
1960	DOUGLAS FURN CORP	Pacific Telephone

1924 E MAPLE AVE

Year	Uses	Source
1995	Frito Lay Inc	Pacific Bell
	Fritsch J GIndra	Pacific Bell
1991	Rold old Foods	Pacific Bell
1980	ROLD GOLD FOODS E MAPLE AVE EL SEGUNDO	Pacific Telephone

1925 E MAPLE AVE

Year	Uses	Source
1966	HELENA RUBINSTEIN INC WHSE	Pacific Telephone
1958	Helena Rubinstein Inc whsle	Pacific Telephone

E MAPLE ST

1910 E MAPLE ST

Year	Uses	Source
1970	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone
	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone
1962	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone

E PALM AVE

1647 E PALM AVE

Year	Uses	Source
1954	WRIGHT ANNIE	R. L. Polk & Co.

1650 E PALM AVE

Year	Uses	Source
1960	BUSH IKE	Pacific Telephone

1653 E PALM AVE

Year	Uses	Source
1964	MOMON GRADY	Pacific Telephone
1960	MOMON GRADY	Pacific Telephone

FINDINGS

1655 E PALM AVE

Year	Uses	Source
1960	THOMAS HAZEL	Pacific Telephone

1665 E PALM AVE

Year	Uses	Source
1950	LYNCH LAURA R	Pacific Telephone

1668 E PALM AVE

Year	Uses	Source
1964	BOWSER MURRIEL	Pacific Telephone
1960	BOWSER MURRIEL	Pacific Telephone

1672 E PALM AVE

Year	Uses	Source
1957	WILLIAMS NATHANIEL	Pacific Telephone

1676 E PALM AVE

Year	Uses	Source
1960	OWENS ROBT L	Pacific Telephone

1677 E PALM AVE

Year	Uses	Source
1957	COLEMAN IDA MAE	Pacific Telephone
1954	COLEMAN IDA MAE	R. L. Polk & Co.

1683 E PALM AVE

Year	Uses	Source
1964	TARVIN FRED	Pacific Telephone
1960	TARVIN FRED	Pacific Telephone

1684 E PALM AVE

Year	Uses	Source
1964	LEWIS JOHN	Pacific Telephone
1960	LEWIS JOHN	Pacific Telephone

1691 E PALM AVE

Year	Uses	Source
1960	REESE LAWRENCE	Pacific Telephone

FINDINGS

1701 E PALM AVE

Year	Uses	Source
1950	LAWRENCE DEWITT R	Pacific Telephone

1703 E PALM AVE

Year	Uses	Source
1950	STEAR ROBBIE R	Pacific Telephone

1704 E PALM AVE

Year	Uses	Source
1957	BRAWNER HOWARD W	Pacific Telephone
1954	BRAWNER HOWARD W R	R. L. Polk & Co.
1950	BRAWNER HOWARD W R	Pacific Telephone

1708 E PALM AVE

Year	Uses	Source
1954	LLEWELLYN G A	R. L. Polk & Co.
1950	LI WITYN 6 A R	Pacific Telephone
	UWELLYNR MVARY E R	Pacific Telephone

1714 E PALM AVE

Year	Uses	Source
1950	HINES CHAS JR	Pacific Telephone

1717 E PALM AVE

Year	Uses	Source
1950	EPP RICHARD J R	Pacific Telephone

1719 E PALM AVE

Year	Uses	Source
1960	CAMPBELL DANL L	Pacific Telephone

1720 E PALM AVE

Year	Uses	Source
1950	BEARD RAY H R	Pacific Telephone
1946	Beard Ray H r	Southern California Telephone Co

1722 E PALM AVE

Year	Uses	Source
1964	EDWARDS SAML E	Pacific Telephone
1960	EDWARDS SAML E	Pacific Telephone
1957	DWARDS SAML E	Pacific Telephone

FINDINGS

1723 E PALM AVE

Year	Uses	Source
1957	SIMMONS HELEN J MRS	Pacific Telephone

1725 E PALM AVE

Year	Uses	Source
1960	WINZER BESSIE LEE	Pacific Telephone
1957	WINZER BESSLE LEE	Pacific Telephone

1740 E PALM AVE

Year	Uses	Source
1964	ROSS ISIAH	Pacific Telephone
1960	ROSS ISIAH	Pacific Telephone

1745 E PALM AVE

Year	Uses	Source
1960	WRIGHT HARRISON H	Pacific Telephone

1747 E PALM AVE

Year	Uses	Source
1957	ELLIS RUBY	Pacific Telephone

1757 E PALM AVE

Year	Uses	Source
1960	SMITH BESSIE MAE	Pacific Telephone

1759 E PALM AVE

Year	Uses	Source
1957	COLEMAN ROSA MARY	Pacific Telephone

1787 E PALM AVE

Year	Uses	Source
1960	AGEE FRED L	Pacific Telephone

1797 E PALM AVE

Year	Uses	Source
1964	CARSON DEWITT	Pacific Telephone
1960	CARSON DEWITT	Pacific Telephone
1957	CARSON DEWITT	Pacific Telephone

FINDINGS

1648 1/2 E PALM AVE

Year	Uses	Source
1960	MCGASKIEY MARY	Pacific Telephone

1662 1/2 E PALM AVE

Year	Uses	Source
1957	CLAXTON VERA M	Pacific Telephone

1684 1/2 E PALM AVE

Year	Uses	Source
1960	REESE WM	Pacific Telephone

1720 1/2 E PALM AVE

Year	Uses	Source
1957	GIBSON ALFRED	Pacific Telephone

1744 1/2 E PALM AVE

Year	Uses	Source
1960	NILES KATIE MAE	Pacific Telephone

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Year	Uses	Source
2015	HOWARD WARGO	Cole Information Services
	STEVEN PETERS	Cole Information Services
	MELISSA MASONI	Cole Information Services
	ALVIN TJONG	Cole Information Services
	REGINALD ADBY	Cole Information Services
	EDITHA BOLANTE	Cole Information Services
	JUDITH JONES	Cole Information Services
	MICHAEL MCKINTYRE	Cole Information Services
	NOLA SNIDER	Cole Information Services
	LON TALPS	Cole Information Services
	FABIOLA COELHO	Cole Information Services
	DEBORAH CORBIN	Cole Information Services
	JOAN MARINO	Cole Information Services
	HARRY OLUND	Cole Information Services
	STACY ROCCA	Cole Information Services
	MICHAEL LAWRENCE	Cole Information Services
	STEPHANIE PASCARIS	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2015	ANITA DELABIO	Cole Information Services
	MILDRED VELIZ	Cole Information Services
	DANIEL MCDANIEL	Cole Information Services
	PATRICIA HANSEN	Cole Information Services
	LUIS BARRUETA	Cole Information Services
	CHARLES THOMPSON	Cole Information Services
	LARRY CONWAY	Cole Information Services
	CHRISTOPHER ADAMS	Cole Information Services
	JAMES BULMAN	Cole Information Services
2009	EDWIN REYES	Cole Information Services
	HARRY OLUND	Cole Information Services
	JOHN PHILLIPS	Cole Information Services
	CHARLES THOMPSON	Cole Information Services
	JOHN MARINO	Cole Information Services
	JANICE STOGNER	Cole Information Services
	PATRICIA HANSEN	Cole Information Services
	JOE HART	Cole Information Services
	LESLY LEMON	Cole Information Services
	WILLIAM BAKER	Cole Information Services
	ANITA DELABIO	Cole Information Services
	RONALD AMUNDSON	Cole Information Services
	ROSALINA TORRES	Cole Information Services
	MICHAEL LAWRENCE	Cole Information Services
	HOWARD WARGO	Cole Information Services
	NILA FALCON	Cole Information Services
	ALVARO MATOS	Cole Information Services
	CHESTER WINKOWSKI	Cole Information Services
	JULIO BERTOZZI	Cole Information Services
	MICHAEL DAVIS	Cole Information Services
2004	EDITH LEWIS	Cole Information Services
	MUHAMMAD KHAN	Cole Information Services
	HARRY OLUND	Cole Information Services
	JAMES L BULMAN INSURANCE	Cole Information Services
	EDITHA BOLANTE	Cole Information Services
	CHRISTOPHER CURTIN	Cole Information Services
	NOLA SNIDER	Cole Information Services
	MARISSA VIRAMONTES	Cole Information Services
	ALEX SHOUSH	Cole Information Services

FINDINGS

Year	Uses	Source
2004	GLENN BERG	Cole Information Services
	DANIEL MARTINEZ	Cole Information Services
	ROSALINA TORRES	Cole Information Services
	RONALD AMUNDSON	Cole Information Services
	MICHELLE LAWRENCE	Cole Information Services
	ANITA DELABIO	Cole Information Services
	JAMES BURNETT	Cole Information Services
	THOMAS GIVEN	Cole Information Services
	JANICE STOGNER	Cole Information Services
	DANIEL WARD	Cole Information Services
	JOHN PHILLIPS	Cole Information Services
	JOHN MARINO	Cole Information Services
2001	STARDUSTHTL&APTS AMUNDSON Ronald E	Haines & Company, Inc.
	ANDJELEnnque	Haines & Company, Inc.
	WINKOWSKI Ch	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Beckett Peter R	Pacific Bell Telephone Co
	5 Curtin Christopher	Pacific Bell Telephone Co
	6 Olund Harry E	Pacific Bell Telephone Co
	8 Rick Angela I	Pacific Bell Telephone Co
	9 Kawatra Navin	Pacific Bell Telephone Co
	15 Surink Isabella	Pacific Bell Telephone Co
	17 Siamac Mac	Pacific Bell Telephone Co
	18 Martinez Daniel	Pacific Bell Telephone Co
	19 Vecchies Lino	Pacific Bell Telephone Co
	20 De Labio A M	Pacific Bell Telephone Co
	+ 21 Le Thuyvan	Pacific Bell Telephone Co
	28 Berg Glenn E	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	+ 30 Given Thomas T	Pacific Bell Telephone Co
	39 Marino J	Pacific Bell Telephone Co
1999	EDWIN REYES	Cole Information Services
	HARRY OLUND	Cole Information Services
	JOHN PHILLIPS	Cole Information Services
	CHARLES THOMPSON	Cole Information Services
	JOHN MARINO	Cole Information Services
	JANICE STOGNER	Cole Information Services
	PATRICIA HANSEN	Cole Information Services

FINDINGS

Year	Uses	Source
1999	JOE HART	Cole Information Services
	LESLY LEMON	Cole Information Services
	WILLIAM BAKER	Cole Information Services
	J MARINO	Cole Information Services
	ANITA DELABIO	Cole Information Services
	RONALD AMUNDSON	Cole Information Services
	ROSALINA TORRES	Cole Information Services
	MICHAEL LAWRENCE	Cole Information Services
	HOWARD WARGO	Cole Information Services
	NILA FALCON	Cole Information Services
	ALVARO MATOS	Cole Information Services
	CHESTER WINKOWSKI	Cole Information Services
	JULIO BERTOZZI	Cole Information Services
	MICHAEL DAVIS	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	2 La Laawrence	Pacific Bell Telephone Co
	+ 4 Suman Janes L	Pacific Bell Telephone Co
	4 sattn Janmes L	Pacific Bell Telephone Co
	5 Ward Daniel F	Pacific Bell Telephone Co
	INDIANA CT	Pacific Bell Telephone Co
	Contd 17 Siamac Mac	Pacific Bell Telephone Co
	20 De Lablo A M	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	39 Marino J	Pacific Bell Telephone Co
	41 Ward Daniel F	Pacific Bell Telephone Co
	42 E Winkowski Chester	Pacific Bell Telephone Co
1994	CAPIZANO, F	Cole Information Services
	SIAMAC, MAC	Cole Information Services
	MCROBERT, K	Cole Information Services
	VAUDRIN, JOHN P	Cole Information Services
	AMUNDSON, RONALD E	Cole Information Services
	WHEELER, ALLAN	Cole Information Services
	MARINO, J	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	2 Kumm L A	Pacific Bell Telephone Co
	4 Bulman James L	Pacific Bell Telephone Co
	6 Gamber M R	Pacific Bell Telephone Co
	8 Dilena Ronald	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1990	9 Coleman Leola	Pacific Bell Telephone Co
	10 Shurygailo Stan	Pacific Bell Telephone Co
	14 Tani Arnold	Pacific Bell Telephone Co
	17 Siamac Mac	Pacific Bell Telephone Co
	19 Kelly Judith	Pacific Bell Telephone Co
	20 De Labio A M	Pacific Bell Telephone Co
	23 Marino J	Pacific Bell Telephone Co
	25 Kirkman J Stevan	Pacific Bell Telephone Co
	26 Butcher Rod D	Pacific Bell Telephone Co
	28 Evett Judson A	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	38 Traynor Mary Ann	Pacific Bell Telephone Co
	39 Wheeler Bruce	Pacific Bell Telephone Co
	41 Ward Daniel F	Pacific Bell Telephone Co
	43 Martinez Gracialiano Andre	Pacific Bell Telephone Co
	44 Taylor Doug	Pacific Bell Telephone Co
	42 E Winkowski Chester	Pacific Bell Telephone Co
1980	Stardust Hotel & Apartments	Pacific Telephone Co
	Building	Pacific Telephone Co
	5 Polouzi Davood	Pacific Telephone Co
	6 Williams Jas L	Pacific Telephone Co
	8 Parker Jos T	Pacific Telephone Co
	10 Dorna W E	Pacific Telephone Co
	11 Ziegler David B	Pacific Telephone Co
	15 Roussel Marie Jose	Pacific Telephone Co
	19 Oliver Gordon	Pacific Telephone Co
	20 Coleman Leola	Pacific Telephone Co
	22 Hilliard Dorothy Mrs	Pacific Telephone Co
	25 Duffin Mark F	Pacific Telephone Co
	26 Howard Michael W	Pacific Telephone Co
	27 Ewens Michael W	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co
	31 Mc Donald David B	Pacific Telephone Co
	39 Alsobrook Ben R	Pacific Telephone Co
	41 Traynor Mary Ann	Pacific Telephone Co
	42 Keady Walter	Pacific Telephone Co
	44 Rowland Thos A	Pacific Telephone Co
1975	Atchison Tom	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	Stardust Hotel	Pacific Telephone Co
	Building	Pacific Telephone Co
	1 Ludium NS	Pacific Telephone Co
	2 Me Jia Jose Guerrero	Pacific Telephone Co
	6 Williams Jas L	Pacific Telephone Co
	8 Parker Jos T	Pacific Telephone Co
	9 Asher Rick	Pacific Telephone Co
	10 Dorna W E	Pacific Telephone Co
	11 Jenvay Peter	Pacific Telephone Co
	12 Griffith D	Pacific Telephone Co
	15 Chaney David E	Pacific Telephone Co
	16 Pascoe Don	Pacific Telephone Co
	18 Kahn Vivien	Pacific Telephone Co
	19 Miller Frederick T	Pacific Telephone Co
	20 Peck Dan I F	Pacific Telephone Co
	22 Hilliard Dorothy Mrs	Pacific Telephone Co
	26 WIseley Avis	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co
	29 Ravich GN	Pacific Telephone Co
	31 Fontana Arthur	Pacific Telephone Co
	34 Cravens Tom	Pacific Telephone Co
	37 Baker Joel R	Pacific Telephone Co
	38 Higgins AJ	Pacific Telephone Co
	4 E Wilson Renneck T	Pacific Telephone Co
1970	Stardust Hotel & Apartments	Pacific Telephone Co
	Building	Pacific Telephone Co
	6 Fox C A	Pacific Telephone Co
	9 Sidenfaden Kathryn	Pacific Telephone Co
	10 Dorna WE	Pacific Telephone Co
	12 Van Armnan Donald R	Pacific Telephone Co
	15 Whitehouse Geo	Pacific Telephone Co
	19 Dypwick Paul	Pacific Telephone Co
	20 Katz M	Pacific Telephone Co
	21 Pascoe Don	Pacific Telephone Co
	22 Hillard Dorothy Mrs	Pacific Telephone Co
	25 Parker Jos T	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co
	34 Allan Jack	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	35 Norton Lyie K	Pacific Telephone Co
	36 Bechir Ammar	Pacific Telephone Co
	40 Youngblood Helen	Pacific Telephone Co
	41 Hinkle Roland B	Pacific Telephone Co
	42 Campbell Michael E	Pacific Telephone Co
	43 Vanardenne R	Pacific Telephone Co
	44 Zurin Londa	Pacific Telephone Co
1965	BUILDING	The Pacific Telephone and Telegraph Co
	STAROUST HOTEL APTS E	The Pacific Telephone and Telegraph Co
	INDIANA CT CONT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	JULIE FINN	Cole Information Services
	STARDUST APARTMENTS	Cole Information Services
	JOEL PICKENS	Cole Information Services
	HEE SEUNG	Cole Information Services
	JOE SMITH	Cole Information Services
	JENNY SOTO	Cole Information Services
	SHEILA HOGAN	Cole Information Services
	MARLEY SIDES	Cole Information Services
	KRISHNA SONI	Cole Information Services
	DEVIN PURCELL	Cole Information Services
	MANLIN SUN	Cole Information Services
	JOHN KATRALES	Cole Information Services
	VENKATA GUDLA	Cole Information Services
	CHRIS MARTIN	Cole Information Services
	CARRIE SANCHEZ	Cole Information Services
	CHARLES BEAN	Cole Information Services
	NICHOLAS DIBENEDETTO	Cole Information Services
	S GARCIA	Cole Information Services
	CHRISTE MURPHY	Cole Information Services
	ABBIE FAULDS	Cole Information Services
2009	AARON FERREIRA	Cole Information Services
	CHRISTINE MARTIN	Cole Information Services
	ABBIE FAULDS	Cole Information Services
	HEEKY KIM	Cole Information Services
	LISA KARDYS	Cole Information Services
	CARRIE SANCHEZ	Cole Information Services

FINDINGS

Year	Uses	Source
2009	ALEXIS TEAGUE	Cole Information Services
	JOANNE KIRCHER	Cole Information Services
	JOHN BROWN	Cole Information Services
	RITU MEHROTRA	Cole Information Services
	JENIFER BARNES	Cole Information Services
	CHARLES BEAN	Cole Information Services
	RICHARD IVIE	Cole Information Services
2004	STARDUST APARTMENTS	Cole Information Services
	GRAHAM ELLIS	Cole Information Services
	JAMES SANCHEZ	Cole Information Services
	BEN HOLBROOK	Cole Information Services
	PATRICIA BREITBAID	Cole Information Services
	CHARLES BEAN	Cole Information Services
	JOHN BROWN	Cole Information Services
	RICHARD IVIE	Cole Information Services
	ROBERT LAWRENCE	Cole Information Services
	RUSSELL ROSE	Cole Information Services
	RONALD STEWART	Cole Information Services
	FRED PALMIERI	Cole Information Services
	PAULETTE LOVERDE	Cole Information Services
	M ESTELL	Cole Information Services
	CHRISTA MILLER	Cole Information Services
	JOHN SCHOLTZ	Cole Information Services
	JAMES CAPELLO	Cole Information Services
	GEORGIA DENCHFIELD	Cole Information Services
	CHRISTINE MARTIN	Cole Information Services
	ANDRE GASHEYEV	Cole Information Services
2001	STARDUSTHT 18 APTS BROWNJohn EJr	Haines & Company, Inc.
	CHAPMAN Ch	Haines & Company, Inc.
	A THOMPSON Charits E	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	1 Knowles Barry	Pacific Bell Telephone Co
	4 Brown John Jr	Pacific Bell Telephone Co
	+ 5 Self Orbin G	Pacific Bell Telephone Co
	8 Fletcher Mike	Pacific Bell Telephone Co
	12 Gasheyev Andre	Pacific Bell Telephone Co
	22 Chapman Charles	Pacific Bell Telephone Co
	+ 23 Donaldson Bruce S	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
2000	25 Palmieri Fred	Pacific Bell Telephone Co
	27 Sanchez J &C	Pacific Bell Telephone Co
	30 Rokosky Robert	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	11 A Robertson Michael G	Pacific Bell Telephone Co
	23 A Thompson Charles E	Pacific Bell Telephone Co
1999	DAVID MANGONE	Cole Information Services
	RICHARD IVIE	Cole Information Services
	ROBERT ROKOSKY	Cole Information Services
	BRAD HANCOCK	Cole Information Services
	CHARLES BEAN	Cole Information Services
	CHRISTINE MARTIN	Cole Information Services
	STARDUST APARTMENTS	Cole Information Services
	ALEXIS TEAGUE	Cole Information Services
	AARON FERREIRA	Cole Information Services
	HEEKY KIM	Cole Information Services
	CARRIE SANCHEZ	Cole Information Services
	LISA KARDYS	Cole Information Services
	JENIFER BARNES	Cole Information Services
	RITU MEHROTRA	Cole Information Services
	JOHN BROWN	Cole Information Services
	JOANNE KIRCHER	Cole Information Services
	ABBIE FAULDS	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	1 Crow Robert	Pacific Bell Telephone Co
	4 Betz Paul	Pacific Bell Telephone Co
	7 Smith P	Pacific Bell Telephone Co
	10 Soler Adrian Sr	Pacific Bell Telephone Co
	23 Gunn Richard	Pacific Bell Telephone Co
	27 Sanchez J&C	Pacific Bell Telephone Co
	29 Morvan Lucienne	Pacific Bell Telephone Co
	3 A STARDUST HOTEL & APARTMENTS	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	+ 10 A Calderon Willie	Pacific Bell Telephone Co
1994	HORNBUCKLE, CRAIG	Cole Information Services
	SZANYI, GYORGY	Cole Information Services
	BROWN, TERRY	Cole Information Services
	CROW, ROBERT	Cole Information Services

FINDINGS

Year	Uses	Source
1994	SMITH, PEGGY	Cole Information Services
	STOCKTON, DAVID	Cole Information Services
	WHEELER, ALLAN	Cole Information Services
	STARDUST HOTEL & APARTMENTS	Cole Information Services
	SUAREZALFONSO, E	Cole Information Services
1990	Gunn Richard	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	2 Cure Sharon L	Pacific Bell Telephone Co
	4 Santone Carol	Pacific Bell Telephone Co
	5 Posey Ralph C	Pacific Bell Telephone Co
	8 Gigante Randy	Pacific Bell Telephone Co
	9 Lovro Roy	Pacific Bell Telephone Co
	11 Wilson D	Pacific Bell Telephone Co
	12 Baum M	Pacific Bell Telephone Co
	22 Minnicucci John	Pacific Bell Telephone Co
	24 Shipper Sander	Pacific Bell Telephone Co
	27 Sanchez J & C	Pacific Bell Telephone Co
	29 Morvan Lucienne	Pacific Bell Telephone Co
	3 A STARDUST HOTEL & APARTMENTS	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	33 Zumbo Kim	Pacific Bell Telephone Co
	8 A Lastoka Nicholas	Pacific Bell Telephone Co
	11 A Kietel Larry	Pacific Bell Telephone Co
	24 A Cash Kevin M	Pacific Bell Telephone Co
	28 A Jablonski Joseph	Pacific Bell Telephone Co
1980	Valasoo Patricia	Pacific Telephone Co
	Building	Pacific Telephone Co
	2 Stardust Hotel & Apartments	Pacific Telephone Co
	2 Cure Sharon L	Pacific Telephone Co
	3 Smith Patricia R	Pacific Telephone Co
	4 Krzyzak John V	Pacific Telephone Co
	5 Keller Donald	Pacific Telephone Co
	6 Agostini Richard A	Pacific Telephone Co
	7 Mc Gee D	Pacific Telephone Co
	8 Goodman Chas	Pacific Telephone Co
	9 Mc Menamy J	Pacific Telephone Co
	11 Murray Dani	Pacific Telephone Co
	22 Gordon Dan J	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	24 Poole TR	Pacific Telephone Co
	29 Botting John	Pacific Telephone Co
	30 Zimmerman Glenn E	Pacific Telephone Co
	9 A Dilena Ronald	Pacific Telephone Co
1975	Building	Pacific Telephone Co
	2 Guilbert Robt L	Pacific Telephone Co
	3 Schlegel GW G W	Pacific Telephone Co
	8 Godek Thaddeus	Pacific Telephone Co
	9 Van Vranken Richard Bruce	Pacific Telephone Co
	10 Keady Walter	Pacific Telephone Co
	12 Elyash G C	Pacific Telephone Co
	22 Nicas Rodney	Pacific Telephone Co
	23 Mclnerney Mike L	Pacific Telephone Co
	26 Nerl Marl	Pacific Telephone Co
	31 Smith C M	Pacific Telephone Co
	6 W Gage Richard A	Pacific Telephone Co
	9 A Anderson Wm	Pacific Telephone Co
	11 A Wallen Don C	Pacific Telephone Co
	22 A Garnreiter Michael	Pacific Telephone Co
	28 A Hicks Harry H Jr	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Andren John D	Pacific Telephone Co
	2 Molacek Ray	Pacific Telephone Co
	3 Petty L R	Pacific Telephone Co
	4 Beadling Richard	Pacific Telephone Co
	7 Davison Gary D	Pacific Telephone Co
	8 Foster Gary	Pacific Telephone Co
	11 Immergluck S	Pacific Telephone Co
	12 Winters Delta J Mrs	Pacific Telephone Co
	23 Slater AD	Pacific Telephone Co
	25 Debelak M L	Pacific Telephone Co
	27 Johnson Jack W	Pacific Telephone Co
	28 Wells Jefferey W	Pacific Telephone Co
	29 Schick Ernie L	Pacific Telephone Co
	3 A Raymond Jas L	Pacific Telephone Co
	30 Reedy Larry A	Pacific Telephone Co
	32 Barnard Jill	Pacific Telephone Co
	6 A Crandel Jim	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	8 A Mullane Eugene J	Pacific Telephone Co
	22 A Lewis Chas E	Pacific Telephone Co
	24 A Cimo Maria	Pacific Telephone Co
1965	HOTEL CONT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2009	JORGE BELL	Cole Information Services
	LISA GLYNN	Cole Information Services
	GREGORY MULERT	Cole Information Services
2004	LISA GLYNN	Cole Information Services
	JORGE BELL	Cole Information Services
	PAMELA LANIER	Cole Information Services
	ANGELA MANOR	Cole Information Services
2001	DILLMAN DOane	Haines & Company, Inc.
2000	1 Tiedeman E Craig	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1999	JORGE BELL	Cole Information Services
	LISA GLYNN	Cole Information Services
	GREGORY MULERT	Cole Information Services
1995	1 Tiedeman E Craig	Pacific Bell Telephone Co
	1 Tiedeman E Craig	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	1 Tiedeman E Craig	Pacific Bell Telephone Co
1975	3 Lehman Anna	Pacific Telephone Co
	2 Lowe Russell	Pacific Telephone Co
	Building	Pacific Telephone Co
	1 Williams Ronald	Pacific Telephone Co
1970	4 Hall Judy A	Pacific Telephone Co
	3 Chanez Gene S	Pacific Telephone Co
	1 Mortimer Joan Mrs	Pacific Telephone Co
	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	KEVIN JOHNSON	Cole Information Services
	RUBEN RAMISCAL	Cole Information Services

FINDINGS

Year	Uses	Source
2015	NICK MATSON	Cole Information Services
	SIMING WANG	Cole Information Services
2009	MONICA FAKHAR	Cole Information Services
	KATHERINE SAUTNER	Cole Information Services
	JOE ADAMS	Cole Information Services
2004	FAITH ANDERSON	Cole Information Services
	ELIZABETH MURPHY	Cole Information Services
	KATHERINE SAUTNER	Cole Information Services
	REUBEN RAMISCAL	Cole Information Services
2001	VONPOHLMANNDallas	Haines & Company, Inc.
1999	KATHERINE SAUTNER	Cole Information Services
	JOE ADAMS	Cole Information Services
	MONICA FAKHAR	Cole Information Services
1995	+ 4 Chen M	Pacific Bell Telephone Co
	1 Okada Joel	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	3 Richard Jeff	Pacific Bell Telephone Co
	1 Okada Joel	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Houlihan Thos	Pacific Telephone Co
	2 Toney Ruby	Pacific Telephone Co
1970	4 Pultz L M	Pacific Telephone Co
	3 Toney Ruby	Pacific Telephone Co
	1 Houlihan Thos	Pacific Telephone Co
	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	ANDREA SWANN	Cole Information Services
	DINDIN BUDIANTIE	Cole Information Services
	BILL BRADY	Cole Information Services
2009	W SUNG	Cole Information Services
2004	RON BASSILIAN	Cole Information Services
	SARAH ROME	Cole Information Services
	DAVID CLEMISON	Cole Information Services
	AMY WYRICK	Cole Information Services
	SHANNON BELL	Cole Information Services

FINDINGS

Year	Uses	Source
2001	JEWELLGlenn B	Haines & Company, Inc.
1999	W SUNG	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	3 Jewell Glenn B	Pacific Bell Telephone Co
1994	KEENAN, C J	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	2 Mandigo G C	Pacific Bell Telephone Co
	3 Jewell Glenn B	Pacific Bell Telephone Co
	4 Keenan C J	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	3 Jewell Glenn B	Pacific Telephone Co
	4 Avila Javier D	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	2 Lopez RB	Pacific Telephone Co
	3 Gigena Omar A	Pacific Telephone Co
	4 Avila Javier D	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	EUGENE KABZINSKI	Cole Information Services
	SALVADOR NUNEZ	Cole Information Services
2009	JOSEPHINE NUNEZ	Cole Information Services
	DIANE KABZINSKI	Cole Information Services
	MARK COUDRIET	Cole Information Services
	GT BANNER SUPPLY INC	Cole Information Services
2004	DIANE KABZINSKI	Cole Information Services
	JOSEPHINE NUNEZ	Cole Information Services
2001	FREITAGJames	Haines & Company, Inc.
2000	2 Kabzinski Diane E	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1999	DIANE KABZINSKI	Cole Information Services
	MARK COUDRIET	Cole Information Services
	JOSEPHINE NUNEZ	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	1 Marcott Andy	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Flynn Robert	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	1 Burns Lorraine	Pacific Telephone Co
	3 Demo B	Pacific Telephone Co
	4 Stuthard Leilani	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Smith Fred C	Pacific Telephone Co
	2 Krismer EL	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	ASTER YOHANNES	Cole Information Services
2009	SARAH CALISTRO	Cole Information Services
	LAWRENCE MOLNAR	Cole Information Services
	JUSTIN BECK	Cole Information Services
2004	JONATHAN BAIN	Cole Information Services
	SARA BOSCOE	Cole Information Services
	T STINE	Cole Information Services
	DANIEL HEARD	Cole Information Services
2001	WANGJody Y	Haines & Company, Inc.
2000	1 Wang Jody Y	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1999	JUSTIN BECK	Cole Information Services
	LAWRENCE MOLNAR	Cole Information Services
	SARAH CALISTRO	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	3 Ellis Sue	Pacific Bell Telephone Co
1994	ROLL, RUSSELL J	Cole Information Services
1975	Building	Pacific Telephone Co
	1 Keldorf C	Pacific Telephone Co
	3 Casey J	Pacific Telephone Co
	4 Brito Domingo	Pacific Telephone Co
1970	2 Campbell Stanley D	Pacific Telephone Co
	Building	Pacific Telephone Co
	3 Burdick Wilfred J	Pacific Telephone Co
	4 Kemp Rodney J	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	ERIN THOMASON	Cole Information Services
2009	ESTEBAN GONZALEZ	Cole Information Services
	EFRAIN NAVARRO	Cole Information Services
	MILLIE MOSSERI	Cole Information Services
2004	GEORGIA BATSON	Cole Information Services
	MILLIE MOSSERI	Cole Information Services
	EFRAIN NAVARRO	Cole Information Services
2001	MOSSERIMillie	Haines & Company, Inc.
2000	3 Mosseri Millie	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1999	EFRAIN NAVARRO	Cole Information Services
	MILLIE MOSSERI	Cole Information Services
	ESTEBAN GONZALEZ	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	3 Mosseri Millie	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	2 Gonzales Esteban P	Pacific Bell Telephone Co
	3 Mosseri Millie	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Weiss Marianne	Pacific Telephone Co
	2 Snedden Delores L	Pacific Telephone Co
	3 Mosseri Millie	Pacific Telephone Co
	4 Kelso Sylvia J	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	4 Kelso Sylvia J	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	MELISANDE STEWART	Cole Information Services
	PHIL KEITH	Cole Information Services
	GORDANA SWANSON	Cole Information Services
	TODD POWELL	Cole Information Services
2009	MEL STEWART	Cole Information Services
	KRIS LAHD	Cole Information Services
2004	KACINDA CALCO	Cole Information Services
	MELISANDE STEWART	Cole Information Services
	SHERRI GULLEY	Cole Information Services

FINDINGS

Year	Uses	Source
2004	JENNY LEVY	Cole Information Services
2001	BROOKSBemard AJr	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Brooks Bernard A Jr	Pacific Bell Telephone Co
	3 Morales A	Pacific Bell Telephone Co
1999	MEL STEWART	Cole Information Services
	KRIS LAHD	Cole Information Services
1995	Building	Pacific Bell Telephone Co
	3 Guy Carl	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Bullock Chris & Amber	Pacific Bell Telephone Co
	+ 4 Chu J	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	4 Williams Kenneth	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Hamilton Orville J	Pacific Telephone Co
	3 Mc Climent Elsia	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	HERIBERTO NAVARRO	Cole Information Services
	KRISTI HALE	Cole Information Services
	LUZ RODRIGUEZ	Cole Information Services
2009	MIA GONZALES	Cole Information Services
	A DELACRUZ	Cole Information Services
	TOMAS NAVARRO	Cole Information Services
	LINDA CARROLL	Cole Information Services
2004	TIFFANY SANCHEZ	Cole Information Services
	MANUEL PACHECO	Cole Information Services
1999	A DELACRUZ	Cole Information Services
	TOMAS NAVARRO	Cole Information Services
	LINDA CARROLL	Cole Information Services
	MIA GONZALES	Cole Information Services
1995	4 Thomas John C	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1994	THOMAS, JOHN C	Cole Information Services
1975	Building	Pacific Telephone Co
	1 Menegazzi Ann	Pacific Telephone Co

Year	Uses	Source
1975	2 Hernandez Jose Luls	Pacific Telephone Co
	3 Tepsupornchal Pornsha	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Graham Chas B	Pacific Telephone Co
	2 Sullivan Michael B	Pacific Telephone Co
1965	BUILDING	The Pacific Telephone and Telegraph Co

726 INDIANA CT

Year	Uses	Source
2015	SHELLEY LUNDY	Cole Information Services
	MONICA MORELAND	Cole Information Services
2009	GRISELDA ALONSO	Cole Information Services
	ELIZABETH HAGAN	Cole Information Services
2004	CRAIG LAFLOWER	Cole Information Services
2001	KIZIRIANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	3 Wagner Richard	Pacific Bell Telephone Co
1999	GRISELDA ALONSO	Cole Information Services
	ELIZABETH HAGAN	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	3 Cebrain Isabel	Pacific Bell Telephone Co
	4 Newton DG&BL	Pacific Bell Telephone Co
1970	Building	Pacific Telephone Co
	2 Steere Larry E	Pacific Telephone Co
	3 Brookens Gertrude	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

727 INDIANA CT

Year	Uses	Source
2015	DAWN JAGER	Cole Information Services
	MATHEW SMITH	Cole Information Services
	ARA ELIAN	Cole Information Services
	ALAN ELAHI	Cole Information Services
2009	OLGA VOLOSHYNA	Cole Information Services
	BARBARA SANDHU	Cole Information Services
	ARA ELIAN	Cole Information Services
2004	FRANK JOHNSTON	Cole Information Services
	OLGA VOLOSHYNA	Cole Information Services
	ARA ELIAN	Cole Information Services

Year	Uses	Source
2001	KIZIRIANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
1999	ARA ELIAN	Cole Information Services
	OLGA VOLOSHYNA	Cole Information Services
	BARBARA SANDHU	Cole Information Services
1994	PENNINGTON, P	Cole Information Services
1990	Building	Pacific Bell Telephone Co
	4 Wing Hung	Pacific Bell Telephone Co
1970	Building	Pacific Telephone Co
	1 Shire Thos F	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

728 INDIANA CT

Year	Uses	Source
2015	MING WU	Cole Information Services
	KHADIJA SYED	Cole Information Services
2009	DEMIAN FELDMAN	Cole Information Services
	JORGE CHAVARRIA	Cole Information Services
2004	DEMIAN FELDMAN	Cole Information Services
	CELINA RANGEL	Cole Information Services
	JORGE CHAVARRIA	Cole Information Services
	ELIZABETH GOYNE	Cole Information Services
2001	KIZIRIl ANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	3 Rangel Celina C	Pacific Bell Telephone Co
1999	DEMIAN FELDMAN	Cole Information Services
	JORGE CHAVARRIA	Cole Information Services
1995	4 Wagner Philip S	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	3 Chavarria Jorge	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Chavarria Jorge	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	2 Ramirez Al	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Walker Billy	Pacific Telephone Co
	2 Altman M C	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

FINDINGS

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Year	Uses	Source
2015	LILIAN MARTINEZ	Cole Information Services
	KARLA RODRIGUEZ	Cole Information Services
	LOUIS RANDALL	Cole Information Services
	HARRY MERZIAN	Cole Information Services
2009	RONALDO MARTINEZ	Cole Information Services
	REBEKAH HINDSMAN	Cole Information Services
	MARLENE ANDERSON	Cole Information Services
2004	CHAVARCH BOSTANDJIAN	Cole Information Services
	RONALDO MARTINEZ	Cole Information Services
	MARLENE ANDERSON	Cole Information Services
2001	BOSTANDJIANChavarch	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Bostandjian Chavarch	Pacific Bell Telephone Co
	+ 2 Bostandlian Hayk C	Pacific Bell Telephone Co
1999	REBEKAH HINDSMAN	Cole Information Services
	RONALDO MARTINEZ	Cole Information Services
	MARLENE ANDERSON	Cole Information Services
1975	Building	Pacific Telephone Co
	2 Pawlowski Zygmunt	Pacific Telephone Co
	3 Hora H S	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	3 Pawlowski Irene	Pacific Telephone Co
	3 Pawlowski Zygmunt	Pacific Telephone Co
	4 Wallender Dutch	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

730 INDIANA CT

Year	Uses	Source
2015	RICHARD PEREZ	Cole Information Services
	LISA MARSHALL	Cole Information Services
2009	REHAN KHAN	Cole Information Services
	CHRISTOPHER MILLER	Cole Information Services
	GPA SOFTWARE INC	Cole Information Services
2004	NAHEED KHAN	Cole Information Services
	MEGHAN KHOURY	Cole Information Services
2001	SMACHADOGregorly	Haines & Company, Inc.
2000	+ 4 Wilton Lorne T Jr	Pacific Bell Telephone Co
	1 Sautner Marion	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
2000	Building	Pacific Bell Telephone Co
1999	REHAN KHAN	Cole Information Services
	CHRISTOPHER MILLER	Cole Information Services
1995	2 Jolly B J	Pacific Bell Telephone Co
	1 Sautner Marion	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Gabbard Lewis	Pacific Bell Telephone Co
1975	4 Mil Ier CC	Pacific Telephone Co
	1 Valencia Carlos	Pacific Telephone Co
	Building	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Garretson Vernon L	Pacific Telephone Co
	2 Halleen Joan	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

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Year	Uses	Source
2015	YUKIKO YAMAZAKI	Cole Information Services
	LAURA WILLIAMS	Cole Information Services
	JOANNETT CLAS	Cole Information Services
2009	CHRISTINE RUSSMAN	Cole Information Services
	ROY MUNCY	Cole Information Services
2004	FRANK FLORES	Cole Information Services
	ROY MUNCY	Cole Information Services
	CHRISTINA GINDT	Cole Information Services
2001	SMACHADOGregorly	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	4 Muncy Roy	Pacific Bell Telephone Co
1999	ROY MUNCY	Cole Information Services
	CHRISTINE RUSSMAN	Cole Information Services
1990	4 Towery Mike	Pacific Bell Telephone Co
	3 Lawrence Matthew T	Pacific Bell Telephone Co
	1 Magnusson Michael	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1975	1 Haddad Chart R	Pacific Telephone Co
	Building	Pacific Telephone Co
1970	4 Hatlie Guy	Pacific Telephone Co
	Building	Pacific Telephone Co

Year	Uses	Source
1970	1 Haddad Chari R	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

N SEPULVEDA BLVD

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Year	Uses	Source
2015	TOWNE PARK LTD	Cole Information Services
	CARMENS BARBER SHOP	Cole Information Services
	HACIENDA HOTEL	Cole Information Services
	HACIENDA HOTEL PARKING LOT	Cole Information Services
	DISCOVERY RENT CAR	Cole Information Services
	DISCOVERY RENTACAR	Cole Information Services
	KLEWIN CONSTRUCTION	Cole Information Services
	HACIENDA HOTEL FAX LINE	Cole Information Services
2009	HACIENDA HOTEL INC	Cole Information Services
	LINCOLN BARBER 2	Cole Information Services
	DISCOVERY RENT A CAR	Cole Information Services
	HACIENDA APARTMENT	Cole Information Services
	CARMENS BARBER SHOP	Cole Information Services
	RUNGS GIFT SHOP	Cole Information Services
2004	DISCOVERY RENT A CAR	Cole Information Services
	HACIENDA TRAVEL CTR	Cole Information Services
	HACIENDA HOTEL INC	Cole Information Services
	RUNGS GIFTS SHOP	Cole Information Services
	HAVANA BARBER SHOP	Cole Information Services
	FRANK KLAUS	Cole Information Services
	FRERES LES	Cole Information Services
2001	a DISCOVERYRENTA	Haines & Company, Inc.
1999	RUNGS GIFT SHOP NO 3	Cole Information Services
	HACIENDA TRAVEL CENTER	Cole Information Services
	HAVANA BARBER SHOP	Cole Information Services
	DISCOVERY RENT A CAR & SALES	Cole Information Services
	DISCOVERY RENT A CAR & SALES	Cole Information Services
	HACIENDA HOTEL L A AIRPORT	Cole Information Services
1994	PAYLESS CAR RENTAL	Cole Information Services
	RUNGS GIFT SHOP	Cole Information Services
	HACIENDA TRAVEL CTR	Cole Information Services
	HACIENDA HOTEL	Cole Information Services

FINDINGS

Year	Uses	Source
1991	HACIENDA HOTEL	Pacific Bell
1986	PERSONAL LIMOUSINE SERVICE EL SEGUNDO	Pacific Bell
1981	HEATHER S PLACE EL SEGUNDO	Pacific Telephone
	PLACE EL SEGUNDO	Pacific Telephone
	HUGHES AIRPORT RENT-A-CAR SYSTEM EL SEGUNDO	Pacific Telephone
1980	Hacienda Hotel	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
	Heathers Place	Pacific Telephone Co
	CEst Sheri	Pacific Telephone Co
1975	Hacienda Hotel	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
	Heathers Place	Pacific Telephone Co
	Aero Rent A Car Inc	Pacific Telephone Co
	Payless Car Rental System	Pacific Telephone Co
	Aero Rent A Car Inc	Pacific Telephone Co
1971	HACIENDA HOTEL L A AIRPORT	Pacific Telephone
1970	Hacienda Hotel L A Airport	Pacific Telephone Co
	Hacienda Coiffures	Pacific Telephone Co
	Avis Rent A Car	Pacific Telephone Co
	Los Angeles Interline Club Inc	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
1967	HACIENDA INTERNATIL HOTEL	Pacific Telephone
	Westwood Artists Corp	Pacific Telephone
1964	LANCASTER S THUNDERBIRD HOTEL MEN S SHOP	Pacific Telephone
	SKODE INDUSTRIES	Pacific Telephone
	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
	WAHINI WAE COIFFURES	Pacific Telephone
1962	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
1960	BROWN WM H	Pacific Telephone
	FLAIR FOR BEAUTY	Pacific Telephone
	FLAIR FOR BEAUTY	Pacific Telephone
	LANCASTERS THUNDERBIRD HOTEL MENS SHOP	Pacific Telephone
	SPANGLER ERIKAW BROWN WM H	Pacific Telephone
	THUNDERBIRD AUTO RENTAL	Pacific Telephone

Year	Uses	Source
1960	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
	TIMES LOS ANGELES FOR NEWS CENTINELA-SOUTH BAY SECTION	Pacific Telephone

601 N SEPULVEDA BLVD

Year	Uses	Source
2015	7ELEVEN	Cole Information Services

603 N SEPULVEDA BLVD

Year	Uses	Source
2015	KEY CUT EXPRESS	Cole Information Services
2009	AIRPORT 76 AIRPORT 5 STAR	Cole Information Services
2001	a AIRPORTUNOCAL	Haines & Company, Inc.
1999	AIRPORT UNOCAL 76	Cole Information Services
1994	AIRPORT UNION	Cole Information Services
1980	Airport Union	Pacific Telephone Co
1975	Witt Jim Union Service Stn	Pacific Telephone Co
1970	Union Oil Dirs Service Stns	Pacific Telephone Co
1964	BEALER S SERV	Pacific Telephone
1960	BEALER S SERV	Pacific Telephone
1957	SEALER S SERV	Pacific Telephone
1946	Holmquist G D	Southern California Telephone Co

609 N SEPULVEDA BLVD

Year	Uses	Source
1980	Tours Unlimited Div Of Aerospace Travel	Pacific Telephone Co
1964	AIMS INC MANGMNT CONSLTNTS	Pacific Telephone

615 N SEPULVEDA BLVD

Year	Uses	Source
1964	FINANCIAL SAVINGS & LOAN ASSN	Pacific Telephone
1960	HARTS ORIGINAL CHICKEN HOUSE	Pacific Telephone
1957	HART ORIGINAL CHICKEN HOUSE	Pacific Telephone
	HART S ORIGINAL CHICKEN HOUSE	Pacific Telephone
1954	HART ORIGINAL CHICKEN HOUSE	R. L. Polk & Co.
	HART S ORIGINAL CHICKEN HOUSE	R. L. Polk & Co.

621 N SEPULVEDA BLVD

Year	Uses	Source
1960	ONE O ONE MOTEL	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	ONEOONE MOTEL	Pacific Telephone

630 N SEPULVEDA BLVD

Year	Uses	Source
2015	WIKIWIKI HAWAIIAN BBQ	Cole Information Services
	LACROSSE UNLIMITED 048	Cole Information Services
	WHEN CLEAN MEETS GREEN	Cole Information Services
	EL POLLO LOCO	Cole Information Services
	EXPRESS CHINESE FOOD	Cole Information Services
	JIMS EXOTIC FISH	Cole Information Services
	TRI CLEANERS	Cole Information Services
	SIGNARAMA	Cole Information Services
	BEAUTY 21	Cole Information Services
	LEONARD LIQUOR STORE	Cole Information Services
	FEDEX OFFICE 1012	Cole Information Services
	SAN SAI JAPANESE GRILL	Cole Information Services
	SUBWAY SANDWICHES	Cole Information Services
	WESTCHESTER WATCH WORKS	Cole Information Services
	CASH PLUS	Cole Information Services
	PLUS AUTO GLASS	Cole Information Services
	UNITED STATES GOVERNMENT	Cole Information Services
	MOTTO EVENTS LLC	Cole Information Services
	SOUTH SWELL SPORTS	Cole Information Services
	NATHAN GUSHI	Cole Information Services
	ELLEN IGNACIO	Cole Information Services
	FEDEX OFFICE PRINT & SHIP CENTER	Cole Information Services
	CHILE VERDE	Cole Information Services
	SPORT CLIPS	Cole Information Services
2009	CABLE LATINO INC	Cole Information Services
	PETIT CAFE	Cole Information Services
	EXPRESS CHINESE FOOD	Cole Information Services
	GOODWILL SOUTHERN CALIFORNIA	Cole Information Services
	DIGICOAST	Cole Information Services
	JIMS EXOTIC FISH	Cole Information Services
	TRI CLEANERS	Cole Information Services
	IMELDAS SHOOZZ	Cole Information Services
	CHILE VERDE MEXICAN RESTAURANT	Cole Information Services
	NIMCO CORP	Cole Information Services
	LEONARD LIQUOR STORE	Cole Information Services

FINDINGS

Year	Uses	Source
2009	SUBWAY SANDWICHES	Cole Information Services
	AMASENA INC	Cole Information Services
	MANNA JAPANESE GRILL	Cole Information Services
	MDCI ENTERPRISE CORP	Cole Information Services
	SANSI	Cole Information Services
	MEGA WRAPS	Cole Information Services
	BEAUTY 21	Cole Information Services
	CASH PLUS	Cole Information Services
	WIKI WIKI HAWAIIN BARBEQUE	Cole Information Services
	PACIFIC INNOVISION INC	Cole Information Services
	2001 FLAVORS	Cole Information Services
	SOFIAS DOMESTIC AGENCY	Cole Information Services
	SIGNARAMA	Cole Information Services
	KINKOS COPIES	Cole Information Services
	BEACH MASSAGE & DAY SPA	Cole Information Services
	NANCY AVILA	Cole Information Services
	MCDONALDS RESTAURANT	Cole Information Services
	SUBWAY SANDWICHES STORE 4401	Cole Information Services
	FEDEX KINKOS OFFICE & PRINT CENTER	Cole Information Services
	FIRST CLASS AVIATOR	Cole Information Services
	POLLO LOCO	Cole Information Services
	COMFORT CARE	Cole Information Services
	LAX PHOTO LAB	Cole Information Services
	SMARCOS GRILL	Cole Information Services
2004	FIRST CLASS AVIATOR	Cole Information Services
	VECTOR COMPUTER CORP	Cole Information Services
	EL POLLO LOCO	Cole Information Services
	EXPRESS CHINESE FOOD	Cole Information Services
	JIMS EXOTIC FISH	Cole Information Services
	TRI CLEANERS	Cole Information Services
	SPICE OF LIFE	Cole Information Services
	LAX PHOTO LAB	Cole Information Services
	THE BEST GREEK CAFE	Cole Information Services
	BRIAN S FREEMAN	Cole Information Services
	MANNA JAPANESE GRILL	Cole Information Services
	BEAUTY 21	Cole Information Services
	CASH PLUS	Cole Information Services
	BRONZE BUNS TANNING SALONS	Cole Information Services

FINDINGS

Year	Uses	Source
2004	NATIONAL MERCANTILE BANCORP	Cole Information Services
	MARCOS GRILL	Cole Information Services
	SBD LABS	Cole Information Services
	CALIFORNIA EATERY	Cole Information Services
	CHILI VERDE	Cole Information Services
	CROWN DENTAL GROUP	Cole Information Services
	GOODWILL INDUSTRIES OF STHRN	Cole Information Services
	LIRIA TSUKAMOTO	Cole Information Services
	LIZABETH MCCOMAS	Cole Information Services
	JAMIE NEDBALL	Cole Information Services
	SUE BAYLEY	Cole Information Services
	Z EUSUFZAI	Cole Information Services
	TERRY WILLIAMS	Cole Information Services
	BETTY STEPHENS	Cole Information Services
	ILENE BUITER	Cole Information Services
	FRANCES FISHER	Cole Information Services
	PAMELA BURTON	Cole Information Services
	JASON SIERRA	Cole Information Services
	FRANK SMITH	Cole Information Services
	CHUN IP	Cole Information Services
	PATRICIA TAYLOR	Cole Information Services
	GEORGE CHAFFIN	Cole Information Services
	EUNJIN LEE	Cole Information Services
2001	BUILDING	Haines & Company, Inc.
	BUILDING	Haines & Company, Inc.
1999	CALIFORNIA EATERY	Cole Information Services
	2001 FLAVORS	Cole Information Services
	LEONARDS LIQUOR STORE	Cole Information Services
	KINKOS COPIES	Cole Information Services
	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA	Cole Information Services
	ALOHA ISLAND & CHICAGO HOT DOGGERY	Cole Information Services
	JIMS EXOTIC FISH	Cole Information Services
	VITAL SIGNS	Cole Information Services
	NANCY AVILA	Cole Information Services
	SUBWAY SANDWICHES STORE 4401	Cole Information Services
	LAX PHOTO LABORATORY	Cole Information Services
	SOUTH BAY VITAL SIGNS	Cole Information Services

FINDINGS

Year	Uses	Source
1999	PETIT CAFE	Cole Information Services
	EL POLLO LOCO	Cole Information Services
	GREEN BURRITO THE	Cole Information Services
	TRI CLEANERS	Cole Information Services
	COMBI COM CELLULAR	Cole Information Services
	BEAUTY 21	Cole Information Services
	CASH PLUS	Cole Information Services
	BRONZE BUNS TANNING SALONS	Cole Information Services
	EXPRESS CHINESE FOOD	Cole Information Services
1994	GREEN BURRITO	Cole Information Services
	EXPRESS CHINESE FOOD	Cole Information Services
	LAX PHOTO LAB	Cole Information Services
	KINKOS COPIES	Cole Information Services
	PIZZA QUEEN	Cole Information Services
	EL POLLO LOCO	Cole Information Services
	PETIT CAFE	Cole Information Services
	SUBWAY SANDWICHES & SALADS	Cole Information Services
	TRI CLEANERS	Cole Information Services
	LEONARDS LIQUOR STORE	Cole Information Services
	TERIYAKI ISLAND	Cole Information Services
	KINKOS LASERTYPE	Cole Information Services
	BEAUTY 21	Cole Information Services
	2001 FLAVORS	Cole Information Services

637 N SEPULVEDA BLVD

Year	Uses	Source
1960	KING S ART SHOP	Pacific Telephone
1957	KING S ARTESIA SHOP	Pacific Telephone
1954	KING S ARTESIA SHOP	R. L. Polk & Co.

639 N SEPULVEDA BLVD

Year	Uses	Source
2015	CARLS JR	Cole Information Services
2009	CARLS JR	Cole Information Services
	CARL KARCHER ENTERPRISES INC	Cole Information Services
2004	CARL KARCHER ENTERPRISE INC	Cole Information Services
	TERESA MESTA	Cole Information Services
2001	a CARLSJR	Haines & Company, Inc.

Year	Uses	Source
1999	CLARK CONTRACTORS INCORPORATED	Cole Information Services
	CARLS JR	Cole Information Services
1957	KING VIRGIL	Pacific Telephone
1954	NAVAJO HOGAN GIFTS	R. L. Polk & Co.

645 N SEPULVEDA BLVD

Year	Uses	Source
1962	Basketville	Pacific Telephone
1960	BASKETVILLE	Pacific Telephone
1957	BASKETVILLE	Pacific Telephone
1954	BASKETVILLE	R. L. Polk & Co.
1946	One Hundred One Flower Shop	Southern California Telephone Co

650 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	COMPUTER SCIENCES CORPORATION	Pacific Bell
1981	COMPUTER SCIENCES CORPORATION CORPORATE HEADQUARTERS EL SEGUNDO	Pacific Telephone
	COMPUTER SCIENCES CORPORATION CORPORATE HEADQUARTERS EL SEGUNDO	Pacific Telephone
	COMPUTER SCIENCES CORPORATION BUSINESS SERVICES DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION WESTERN DISTRICT HEADQUARTERS EL SEGUNDO	Pacific Telephone
1980	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION DATA SERVICES GROUP HEADQUARTERS	Pacific Telephone
	COMPUTER SCIENCES CORPORATION DATA SERVICES GROUP HEADQUARTERS	Pacific Telephone
	COMPUTER SCIENCES CORPORATION DATA SERVICES GROUP HEADQUARTERS	Pacific Telephone
	COMPUTER SCIENCES CORPORATION DATA SERVICES GROUP HEADQUARTERS	Pacific Telephone
	Computer Sciences Corporation	Pacific Telephone Co
	COMPUTERT SCIENCES CORPORATION	Pacific Telephone
1975	Computer Sciences Corporation	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	CSC Employees Federal Credit Union	Pacific Telephone Co
	Computer Sciences Corporation	Pacific Telephone Co
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION COMMERCIAL DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION COMMERCIAL DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION COMMERCIAL DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION INFORMATION NETWORK DIVISIONS	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
1971	Computer Sciences Institute	Pacific Telephone
	Development Division	Pacific Telephone
	Computer Sciences Leasing Company	Pacific Telephone
	Computer Sciences Leasing Company	Pacific Telephone
	Information Network Division	Pacific Telephone
1970	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	Honeywell Inc	Pacific Telephone Co
	Computer Sciences Corporation	Pacific Telephone Co
	Honeywell Inc	Pacific Telephone Co
1967	Aetron	Pacific Telephone
	Los Angeles Sales Ofc	Pacific Telephone
	Aerospace Center	Pacific Telephone
	AEROSPACE LEASING CORP aircrft leasing	Pacific Telephone
	AEROSPACE PRINTING CENTER	Pacific Telephone
	Aerospace Printing Center	Pacific Telephone
	American Bosch Div	Pacific Telephone
	Arma Div	Pacific Telephone
	Arma Div	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Tele Dynamics Div	Pacific Telephone
	BUNKER RAMO CORP THE Numerical Control Systems	Pacific Telephone
	Canadair Ltd	Pacific Telephone
	COMPUTER SCIENCES CORP	Pacific Telephone
	Computicket Corp	Pacific Telephone
	L A Corporate Ofc	Pacific Telephone
	GENERAL DYNAMICS CORP	Pacific Telephone
	GENERAL DYNAMICS CORP	Pacific Telephone
	Canadair Ltd	Pacific Telephone
	Grove Valve & Regulator Co Government Aerospace Div	Pacific Telephone
	Aerospace & Defense Div	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	Janitrol Aero Div Midland Ross	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone
	LOCKHEED MISSILES & SPACE CO El Segunda Liaison Ofc	Pacific Telephone
	MECHANICS RESEARCH INC	Pacific Telephone
	NATL SEMICONDUCTOR CORP	Pacific Telephone
	NORTHLAND CAMPS INC	Pacific Telephone
	Panelyte Industrial Div Thiokol Chemical Corp	Pacific Telephone
	PFEIFFER R JAS ASSOCIATES INC alrcraft brkrs	Pacific Telephone
	RADIATION INC electncs	Pacific Telephone
	Robertson Jas Co	Pacific Telephone
	SPRRY RAND CORP Sperry Gyroscope Co Div Marketing Ofc	Pacific Telephone
	Sperry Ulah Co Div	Pacific Telephone
	Stearns Roger Corp	Pacific Telephone
	SYSTEM SCIENCES CORP	Pacific Telephone
	Tahiti Joe Co	Pacific Telephone
	Tahitian Products Co	Pacific Telephone
	TELE DYNAMICS DIV AMERICAN BOSCH ARMA CORP	Pacific Telephone
	Panelyte Industrial Div	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
1964	AEROJET-GENERAL CORP CUSTOMER RELATNS	Pacific Telephone
	AEROSPACE CENTER	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	AEROSPACE LEASING CORP AIRCRFT LEASING	Pacific Telephone
	AEROSPACE PRINTING CENTER	Pacific Telephone
	AEROSPACE SECRETARIAL SERV	Pacific Telephone
	AEROSPACE TRAVEL CENTER	Pacific Telephone
	ALLISON DIV GENERAL MOTORS CORP	Pacific Telephone
	AUTOMATION INDUSTRIES INC	Pacific Telephone
	CLINE & FAST PUB RELATNS	Pacific Telephone
	COMPUTER SCIENCES CORP	Pacific Telephone
	DELCO REMY DIV OF GENERAL MOTORS CORP	Pacific Telephone
	DELTA AIR LINES INC DIRECTOR OF FLIGHT EQUIPMENT DEVELOPMENT	Pacific Telephone
	DOUGLAS AIRCRAFT	Pacific Telephone
	GENERAL DYNAMICS CORP OF L A OFC	Pacific Telephone
	GENERAL DYNAMICS ELECTRO DYNAMIC	Pacific Telephone
	GENERAL MOTORS CORP	Pacific Telephone
	GROVE VALVE & REGULATOR CO GOVERNMENT AEROSPACE DIV	Pacific Telephone
	GROVE VALVE & REGULATOR CO GOVERNMENT AEROSPACE DIV	Pacific Telephone
	JANITROL-AERO DIV MIDLAND ROSS	Pacific Telephone
	LTV SEE LING-TEMCO-VOUGHT INC	Pacific Telephone
	LING-EMCO-OUGHT INC	Pacific Telephone
	LOCKHEED AIRCRAFT CORP MISSILES & SPACE CO	Pacific Telephone
	MECHANICS RESEARCH INC	Pacific Telephone
	NATIONAL SEMICONDUCTOR CORPORATION	Pacific Telephone
	NORTHLAND CAMPS INC	Pacific Telephone
	PACKARD ELECTRIC DIV OF G M C	Pacific Telephone
	PFEIFFER R JAS ASSOCIATES INC AIRCRAFT BRKRS	Pacific Telephone
	RADIATION INC ELECTRNCS	Pacific Telephone
	RADIATION INC ELECTRNCS	Pacific Telephone
	REPUBLIC AVIATION CORP	Pacific Telephone
	TRW CAPACITORS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	TRW ELECTRONICS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone
	TRW SEMICONDUCTORS INC	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
	UNIVAC DIVISION SPERRY RAND CORPORATION	Pacific Telephone
	ACF ELECTRONICS DIV OF ACF INDUSTRIES INC	Pacific Telephone
1962	GENERAL MOTORS CORP	Pacific Telephone
	Allison Division Aircraft Engine Operations	Pacific Telephone
	PACKARD ELECTRIC DIV OF G M C	Pacific Telephone
	e Dynamics Div American Bosch Arma Corp	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
	Rocket Operations	Pacific Telephone
	Aerojet General Corp	Pacific Telephone
	ALLISON DIV See Genl Motors Corp	Pacific Telephone
	Araerican Bosch Div	Pacific Telephone
	Arma Div	Pacific Telephone
	e Dynamics Div	Pacific Telephone
	Arma Div	Pacific Telephone
	Computer Sciences Corp	Pacific Telephone
	General Dynamics Corp L A Ofc	Pacific Telephone

656 N SEPULVEDA BLVD

Year	Uses	Source
1967	Sperry Semiconductor Co Div	Pacific Telephone

680 N SEPULVEDA BLVD

Year	Uses	Source
2015	JOSE SAUZA	Cole Information Services
2009	JOSE SAUZA	Cole Information Services
1999	JOSE SAUZA	Cole Information Services

690 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	AEROSPACE TRAVEL CENTER EL SEGUNDO	Pacific Telephone

FINDINGS

Year	Uses	Source
1981	CLASSIC HOUSE INC EL SEGUNDO	Pacific Telephone
	RABIN ALLEN H EL SEGUNDO	Pacific Telephone
1980	128 Bofird Fred Co	Pacific Telephone Co
	Aerospace Travel Center	Pacific Telephone Co
	Wordz	Pacific Telephone Co
	Engers G S &Co	Pacific Telephone Co
	Aerospace Travel Center	Pacific Telephone Co
	Building	Pacific Telephone Co
	118 Tokunow Joyce	Pacific Telephone Co
	118 Future Technology Corp	Pacific Telephone Co
	124 Green Melvin	Pacific Telephone Co
1975	Aerospace Travel Center	Pacific Telephone Co
	Building	Pacific Telephone Co
	120 Merchants Guard Systems	Pacific Telephone Co
	120 A Green Melvyn	Pacific Telephone Co
1971	Aerospace Travel Center	Pacific Telephone
	Rabin Allen H	Pacific Telephone
	Rabin Bruce W	Pacific Telephone
1970	Canon Electronic Business Products	Pacific Telephone Co
	Aerospace Travel Center	Pacific Telephone Co
1967	Aerospace Travel Center	Pacific Telephone
	T A T A Ltd	Pacific Telephone
1964	A I M S INC MNGMNT CONSLTNTS	Pacific Telephone
	AUTOMATED INFORMATION MANAGEMENT SYSTEMS INC	Pacific Telephone
1962	Aerospace Travel Center Inc	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Aeronautics Div	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Astronautics Div	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Ranege Systems Div	Pacific Telephone
	Chance Vought Western Region Ofc	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone
	Electronics Products Group	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone

FINDINGS

Year	Uses	Source
1962	Natl Semi Conductor Corp	Pacific Telephone
	Radiation Inc electrncs R	Pacific Telephone
	System Services Div	Pacific Telephone
	El Segundo	Pacific Telephone
	WESTERN AIRLINES City Ticket Offices	Pacific Telephone
1960	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	HUGHES AIRCRAFT CO COMPONENTS GROUP	Pacific Telephone
	NATL SEML CONDUCTOR CORP	Pacific Telephone
	RADIATION INC ELECTROCS	Pacific Telephone
	ROCKET OPERATIONS	Pacific Telephone
	WESTERN AIRLINES	Pacific Telephone
	WESTERN AIRLINES	Pacific Telephone

700 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	DEVLIN PHARMACEUTICALS INC EL SEGUNDO	Pacific Telephone
1980	Devlin Pharmaceuticals Inc	Pacific Telephone Co
1975	Devlln Pharmaceuticals Inc	Pacific Telephone Co
1971	BBC LABORATORIES	Pacific Telephone
	Norton Products	Pacific Telephone
	Tannehill Pharmaceuticals	Pacific Telephone
1970	Rabin Winters Division Of Brunswig Drug	Pacific Telephone Co
1967	Brucemore Inc Rabin Winters Corp	Pacific Telephone
	John David Drug Company Rabin Winters Corparation	Pacific Telephone
	Rabin Winters Corp	Pacific Telephone
1964	RABIN WINTERS CORP	Pacific Telephone
	PHARMAPAK DRUG CO	Pacific Telephone
1962	Brucemore Inc Rabin Winters Corp	Pacific Telephone
	John David Drug Company Rabin Winters Corporation	Pacific Telephone

Year	Uses	Source
1962	Rabin Winters Corp	Pacific Telephone
1960	RABIN COMPANY THE	Pacific Telephone
	PHARMAPAK DRUG CO	Pacific Telephone

707 N SEPULVEDA BLVD

Year	Uses	Source
2009	STICK & STEIN FAMILY SPORTS GRILL	Cole Information Services
2004	GEORGE STEVENS	Cole Information Services
	STKIC & STEIN EATRY & SPORT	Cole Information Services
2001	STICKUSTEIN EATERY	Haines & Company, Inc.
1999	STICK & STEIN EATERY & SPORTS BAR	Cole Information Services
1994	707 GRILL	Cole Information Services
1980	Jolly Roger Restaurant	Pacific Telephone Co
1975	Jolly Roger Restaurant	Pacific Telephone Co
1970	Jolly Roger Restaurant	Pacific Telephone Co
1967	ROBBS RESTAURANT Main Ofc	Pacific Telephone
	Reservations	Pacific Telephone
1962	ROBBS RESTAURANT	Pacific Telephone
1960	ROBBS RESTAURANT	Pacific Telephone
	STEEPLECHASE ROOM ROBB S RESTAURANT	Pacific Telephone

739 N SEPULVEDA BLVD

Year	Uses	Source
1957	BIG S THE	Pacific Telephone
1954	JAY JR DRIVE-IN	R. L. Polk & Co.

740 N SEPULVEDA BLVD

Year	Uses	Source
2004	OCCUPANT UNKNOWN	Cole Information Services
2001	XXXX	Haines & Company, Inc.
1994	FIRST INTRST BNK CA	Cole Information Services
1981	FIRST INTERSTATE BANK OF CALIFORNIA	Pacific Telephone
1980	United California Bank	Pacific Telephone Co
1975	United California Bank	Pacific Telephone Co
1971	El Segundo Ofc	Pacific Telephone
	UNITED CALIFORNIA BANK Contd OTHER BRANCH OFFICES Beverly Hills Offices	Pacific Telephone

Year	Uses	Source
1970	United California Bank	Pacific Telephone Co
1962	UNITED CALIFORNIA BANK Branch Offices Office	Pacific Telephone
	UNITED CALIFORNIA BANK Branch Offices Office	Pacific Telephone
1960	CALIFORNIA BANK BELLFOWER OFC	Pacific Telephone

755 N SEPULVEDA BLVD

Year	Uses	Source
2004	WOODYS BROILER	Cole Information Services
	CHRISTOPHER PINGEL	Cole Information Services
2001	PINQELChristopher	Haines & Company, Inc.
1999	WOODYS BROILER	Cole Information Services
1994	WOODYS SMORGASBURGER	Cole Information Services
1980	Woodys Smorgasburger	Pacific Telephone Co
1975	Woodys Smorgasburger	Pacific Telephone Co
1970	Woodys Smorgasburger	Pacific Telephone Co
1964	SMORGASBURGER WOODY S	Pacific Telephone
	WOODY S SMORGASBURGER	Pacific Telephone
1960	CAMERON NEIL POTTERY	Pacific Telephone
1957	CAMERON NEIL POTTERY	Pacific Telephone

757 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1994	HAIR O SPACE CO	Cole Information Services
1980	Sullivans Barber Shop	Pacific Telephone Co
1975	Teds Barber Shop	Pacific Telephone Co
1970	Teds Barber Shop	Pacific Telephone Co
1964	TED S BARBER SHOP	Pacific Telephone
1960	TED S BARBER SHOP	Pacific Telephone

759 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1994	MICHAEL BETTS PAINTING	Cole Information Services
1980	Her Closet	Pacific Telephone Co
1975	Her Closet	Pacific Telephone Co
1970	Her Closet	Pacific Telephone Co
1964	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Telephone

Year	Uses	Source
1964	MOTTA BROS AUTO PARTS & SERV	Pacific Telephone
1962	Stiewel Ken Ins Agcy	Pacific Telephone
	Motta Bros Auto Parts & Serv	Pacific Telephone
1960	STIEWEL KEN INS AGCY	Pacific Telephone
	MOTTA BROS AUTO PARTS & SERV	Pacific Telephone

761 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1994	B & P AUTO PARTS	Cole Information Services
1980	B & P Auto Parts	Pacific Telephone Co
1975	B & P Auto Parts	Pacific Telephone Co
	State Farm Insurance Companies	Pacific Telephone Co
1970	State Farm Insurance Companies	Pacific Telephone Co
	B & P Auto Parts	Pacific Telephone Co
1964	TERRY S TOP SHOP	Pacific Telephone
1960	TERRY S TOP SHOP	Pacific Telephone

763 N SEPULVEDA BLVD

Year	Uses	Source
1999	MOTTA BROTHERS AUTOMOTIVE CENTER	Cole Information Services
	MOTTA BROTHERS AUTOMOTIVE CENTER FROM LOS ANGELES	Cole Information Services
1994	MOTTA BROS ATMTV CT	Cole Information Services
	MOTTA BROTHERS AUTOMOTIVE CTR	Cole Information Services
1990	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Bell
1986	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Bell
1981	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Telephone
1980	Motta Bros Auto Parts & Service	Pacific Telephone Co
	Motta Brothers Automotive Center	Pacific Telephone Co
1975	Motta Bros Auto Parts & Service	Pacific Telephone Co
	Motta Brothers Automotive Center	Pacific Telephone Co
1971	Motta Bros Auto Parts & Service	Pacific Telephone
1970	Motta Bros Auto Parts & Service	Pacific Telephone Co
	Motta Brothers Automotive Center	Pacific Telephone Co
1967	Motta Bros Auto Parts & Service	Pacific Telephone

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765 N SEPULVEDA BLVD

Year	Uses	Source
2015	AREA LOCKSMITH	Cole Information Services
	CARDTRONICS	Cole Information Services
	CAR KEY & MORE	Cole Information Services
	CIRCLE K	Cole Information Services
2009	EXXON MOBIL	Cole Information Services
1980	Motta Bros Shell Service	Pacific Telephone Co
1975	Motta Bros Shell Service	Pacific Telephone Co
1970	Motta Bros Shell Service	Pacific Telephone Co
1964	MOTTA BROS SHELL SERV	Pacific Telephone
1960	MOTTA BROS	Pacific Telephone
1954	MVOTTA BROS	R. L. Polk & Co.
1946	M & S Serv	Southern California Telephone Co

770 N SEPULVEDA BLVD

Year	Uses	Source
2015	BOBS UNION SERVICE	Cole Information Services
	LAX AUTO SVC	Cole Information Services
	LOS ANGELES OPEN DOOR	Cole Information Services
2009	BOBS UNION SERVICE	Cole Information Services
2004	OCCUPANT UNKNOWN	Cole Information Services
	BOBS UNION GAS STATION INC	Cole Information Services
	AVIATION AUTO	Cole Information Services
2001	BOBSUNIONSERVICE	Haines & Company, Inc.
1999	AVIATION AUTO	Cole Information Services
	BOBS UNION SERVICE	Cole Information Services
1994	BOBS UNION SVC	Cole Information Services
1980	Bobs Union Service	Pacific Telephone Co
1975	Bobs Union Service	Pacific Telephone Co
	Union Oil Dirs Service Stns	Pacific Telephone Co
1970	Baileys Union Service	Pacific Telephone Co
1964	UNION OIL DLRS SERV STN	Pacific Telephone
	BAILEYS UNION SERV	Pacific Telephone
1960	BAILEYS UNION SERV	Pacific Telephone

800 N SEPULVEDA BLVD

Year	Uses	Source
2015	DYNASTY FOOTWEAR LTD	Cole Information Services
2009	DYNASTY	Cole Information Services

Year	Uses	Source
2009	TISS LTD	Cole Information Services
	LODON UNDERGROUND	Cole Information Services
2004	DYNASTY FOOTWEAR LTD	Cole Information Services
2001	a DYNASTY FOOTWEAR	Haines & Company, Inc.
1999	DYNASTY FOOTWEAR LIMITED	Cole Information Services
1960	AMERICAN SEATING CO	Pacific Telephone
1957	AMERICAN SEATING CO	Pacific Telephone

815 N SEPULVEDA BLVD

Year	Uses	Source
2015	SEYCHELLES IMPORTS LLC	Cole Information Services
2009	SEYCHELLES & BC FOOTWEAR LLC	Cole Information Services
	SEYCHELLES IMPORTS LLC	Cole Information Services
1994	DANIEL FREEMAN LAX MEDICAL	Cole Information Services
	ANTHONY G RODAS MD	Cole Information Services
1986	HARRIS S JEFFREY MD EL SEGUNDO	Pacific Bell
	LAX MEDICAL CLINIC EL SEGUNDO	Pacific Bell
1985	L A X MEDICAL CLINIC	Pacific Bell
1980	Goodley Professional Dental Corp	Pacific Telephone Co
1975	Sepulveda Medical Group	Pacific Telephone Co
1971	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1970	Sepuiveda Medical Group	Pacific Telephone Co
1967	Bones W E MD Sepulveda Medical Group	Pacific Telephone
	Frierson H R MD Sepulveda Medical Group	Pacific Telephone
	Gaynor Sanford H MD Sepulveda Medical Group	Pacific Telephone
	Gelfan Mitchell M OD	Pacific Telephone
	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1964	SEPULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
1962	Bones W E MD Sepulveda Medical Group	Pacific Telephone

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Year	Uses	Source
1962	Frierson H R MD Sepulveda Medical Group	Pacific Telephone
	Gelfan Mitchell M OD	Pacific Telephone
	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1960	SEPULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
1957	SEPULVEDA MEDICAL GROUP	Pacific Telephone
	SEPULVEDAULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD0MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROAP	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	FRIERSON H R MD SEPDLVEDA MEDICAL GROUP	Pacific Telephone
	FRIERSON H R MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
	GELLAN MITCHELL N OD	Pacific Telephone
1954	HUMPHRIES JIM C STANDARD PRESSED STEEL CO	R. L. Polk & Co.
	HURFORD DAVID J STANDARD PRESSED STEEL CO	R. L. Polk & Co.
	MAHON JACK STANDARD PRESSED STEEL CO	R. L. Polk & Co.

817 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	LAX CLINIC PHARMACY	Pacific Bell
1980	Sepulveda Medical Pharmacy	Pacific Telephone Co
1975	Sepulveda Medical Pharmacy	Pacific Telephone Co
1970	Aero Drug	Pacific Telephone Co
1964	AERO PHARMACY	Pacific Telephone

SEPULVEDA BLVD N

630 SEPULVEDA BLVD N

Year	Uses	Source
2000	EL POLLO LOCO	Pacific Bell Telephone Co
	JIMS EXOTIC FISH	Pacific Bell Telephone Co
	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA	Pacific Bell Telephone Co
	BRONZE BUNS TANNING SALON	Pacific Bell Telephone Co
	PHAM MINHHOA LINDA	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	7 LEONARDS LIQUOR STORE	Pacific Bell Telephone Co
	PETIT CAFE	Pacific Bell Telephone Co
1995	38 ALOHA ISLANIDC A Ch ICAGO HOT DOGGERY	Pacific Bell Telephone Co
	28 SUBWAY SANDWICHES STORE	Pacific Bell Telephone Co
	2 A 2001 FLAVORS	Pacific Bell Telephone Co
	+ 17 KINKOS LASERTYPE	Pacific Bell Telephone Co
	17 KINKOS COPIES	Pacific Bell Telephone Co
	A 3 PETIT CAFE	Pacific Bell Telephone Co
	7 LEONARDS LIt UOR STORE	Pacific Bell Telephone Co
	CENTER	Pacific Bell Telephone Co
	PRO ACUPRESSURE	Pacific Bell Telephone Co
	EL POLLO LOCO	Pacific Bell Telephone Co
	44 EXPRESS CHINESE FOOD	Pacific Bell Telephone Co

639 SEPULVEDA BLVD N

Year	Uses	Source
2000	CARLS JR	Pacific Bell Telephone Co

707 SEPULVEDA BLVD N

Year	Uses	Source
2000	STICK & STEIN EATERY	Pacific Bell Telephone Co
1995	STICK A STEIN EATERY A SPORTS BAR	Pacific Bell Telephone Co
	JOLLY ROGER RESTAURANT	Pacific Bell Telephone Co
1990	JOLLY ROGER RESTAURANT	Pacific Bell Telephone Co

755 SEPULVEDA BLVD N

Year	Uses	Source
2000	WOODYS BROILER	Pacific Bell Telephone Co

Year	Uses	Source
1995	WOODn S SMORGASBURGER	Pacific Bell Telephone Co
	WOODYS SMORGASBURGER	Pacific Bell Telephone Co
	SMRIGASBURGER	Pacific Bell Telephone Co
	WOODYS	Pacific Bell Telephone Co
1990	WOODYS SMORGASBURGER	Pacific Bell Telephone Co
	WOODn S SMORGASBURGER	Pacific Bell Telephone Co

757 SEPULVEDA BLVD N

Year	Uses	Source
1995	HAIt O SPACE CO	Pacific Bell Telephone Co
	HAIR C SPACE CO	Pacific Bell Telephone Co
1990	HAIR C SPACE CO	Pacific Bell Telephone Co

759 SEPULVEDA BLVD N

Year	Uses	Source
1995	BRAZIL R 1 US IMPORT A EXPORTC NC	Pacific Bell Telephone Co
	HER CLOSET	Pacific Bell Telephone Co
1990	HER CLOSET	Pacific Bell Telephone Co

761 SEPULVEDA BLVD N

Year	Uses	Source
1995	B & P AUTO PARTS	Pacific Bell Telephone Co
	B A P AUTO PARTS	Pacific Bell Telephone Co
1990	B & P AUTO PARTS	Pacific Bell Telephone Co

763 SEPULVEDA BLVD N

Year	Uses	Source
1995	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Bell Telephone Co
	MOTTA BROS AUTO PARTS & SERVICE	Pacific Bell Telephone Co
	MOTTA BROTHERS	Pacific Bell Telephone Co
1990	MOTTA BROS AUTO PARTS & SERVICE	Pacific Bell Telephone Co
	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Bell Telephone Co

770 SEPULVEDA BLVD N

Year	Uses	Source
2000	BOBS UNION SERVICE	Pacific Bell Telephone Co
	BOBS UNION SERVICE	Pacific Bell Telephone Co
1995	BOBS UNION SERVICE	Pacific Bell Telephone Co

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Year	Uses	Source
1990	BOBS UNION SERVICE	Pacific Bell Telephone Co

800 SEPULVEDA BLVD N

Year	Uses	Source
2000	DYNASTY FOOTWEAR LTD	Pacific Bell Telephone Co
	DYNASTY FOOTWEAR LTD	Pacific Bell Telephone Co

815 SEPULVEDA BLVD N

Year	Uses	Source
1995	DANIEL FREEMAN LAX MEDICAL CLINIC	Pacific Bell Telephone Co
	SEPULVEDA BL N	Pacific Bell Telephone Co
	DANIEL FREMAN LAX+ MEDI CA n CIC	Pacific Bell Telephone Co
	SEPULVEDA BL N	Pacific Bell Telephone Co
	DANIEL FREEMAN READICARE	Pacific Bell Telephone Co
1990	DANIEL FREEMAN READICARE	Pacific Bell Telephone Co

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1633 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1633 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1637 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1637 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1641 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1641 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1645 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1645 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1647 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1648 1/2 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1649 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1649 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1650 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1653 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1653 E MAPLE AVE	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1653 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1655 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1662 1/2 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1665 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1668 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1672 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1676 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1677 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1683 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1684 1/2 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1684 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1691 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1701 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1703 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1704 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1708 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1714 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1717 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1719 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 1/2 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
650 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1722 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1723 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1740 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1744 1/2 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1745 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1747 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1757 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1759 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1787 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1797 E PALM AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1811 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E MAPLE AVE	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E MAPLE ST	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1924 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1925 E MAPLE AVE	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
525 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1990, 1985, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
525 N SEPULVEDA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
601 N SEPULVEDA BLVD	2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
603 N SEPULVEDA BLVD	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
603 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
609 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
621 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 N SEPULVEDA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
637 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N SEPULVEDA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
645 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
656 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
680 N SEPULVEDA BLVD	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
690 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
700 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 N SEPULVEDA BLVD	2015, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
707 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
717 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
717 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
718 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
718 INDIANA CT	2015, 2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
719 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
719 INDIANA CT	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
720 INDIANA CT	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
720 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
722 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
722 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
724 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
724 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
725 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
725 INDIANA CT	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
726 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
726 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
727 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
727 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
728 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
728 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
729 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
729 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
730 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
730 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
731 INDIANA CT	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
731 INDIANA CT	2015, 2009, 2006, 2004, 2003, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
740 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
740 N SEPULVEDA BLVD	2015, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 N SEPULVEDA BLVD	2015, 2009, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
757 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
757 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
757 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
759 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
759 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
759 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
761 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
761 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
761 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1976, 1972, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
765 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
765 N SEPULVEDA BLVD	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
770 N SEPULVEDA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
770 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
770 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 N SEPULVEDA BLVD	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 N SEPULVEDA BLVD	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 SEPULVEDA BLVD N	2015, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
817 N SEPULVEDA BLVD	2015, 2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
650 and 700 Pacific Coast Highway	2009, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX E

REGULATORY AGENCY RECORDS

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
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Sacramento, California 95812-0806

Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAX000210559	**Status:**	INACTIVE
Name:	AERO SPACE CTR	**Inactive Date:**	1/1/1900 12:00:00 AM
County:	LOS ANGELES	**Record Entered:**	4/5/1985 12:00:00 AM
NAICS:	N/A	**Last Updated:**	7/9/1998 12:00:00 AM

	Name	Address	City	State	Zip Code	Phone
Location	AERO SPACE CTR	650 N SEPULVEDA AVE	EL SEGUNDO	CA	902450000	
Mailing		--	LOS ANGELES	CA	900090000	
Owner	--	--	--	99	--	0000000000
Operator/Contact	TONY LUCA	--	--	99	--	2136478380

Based Only Upon ID Number: **CAX000210559**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
N/A	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

No Records Found

Non California Manifest Total Tonnage

No Records Found

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

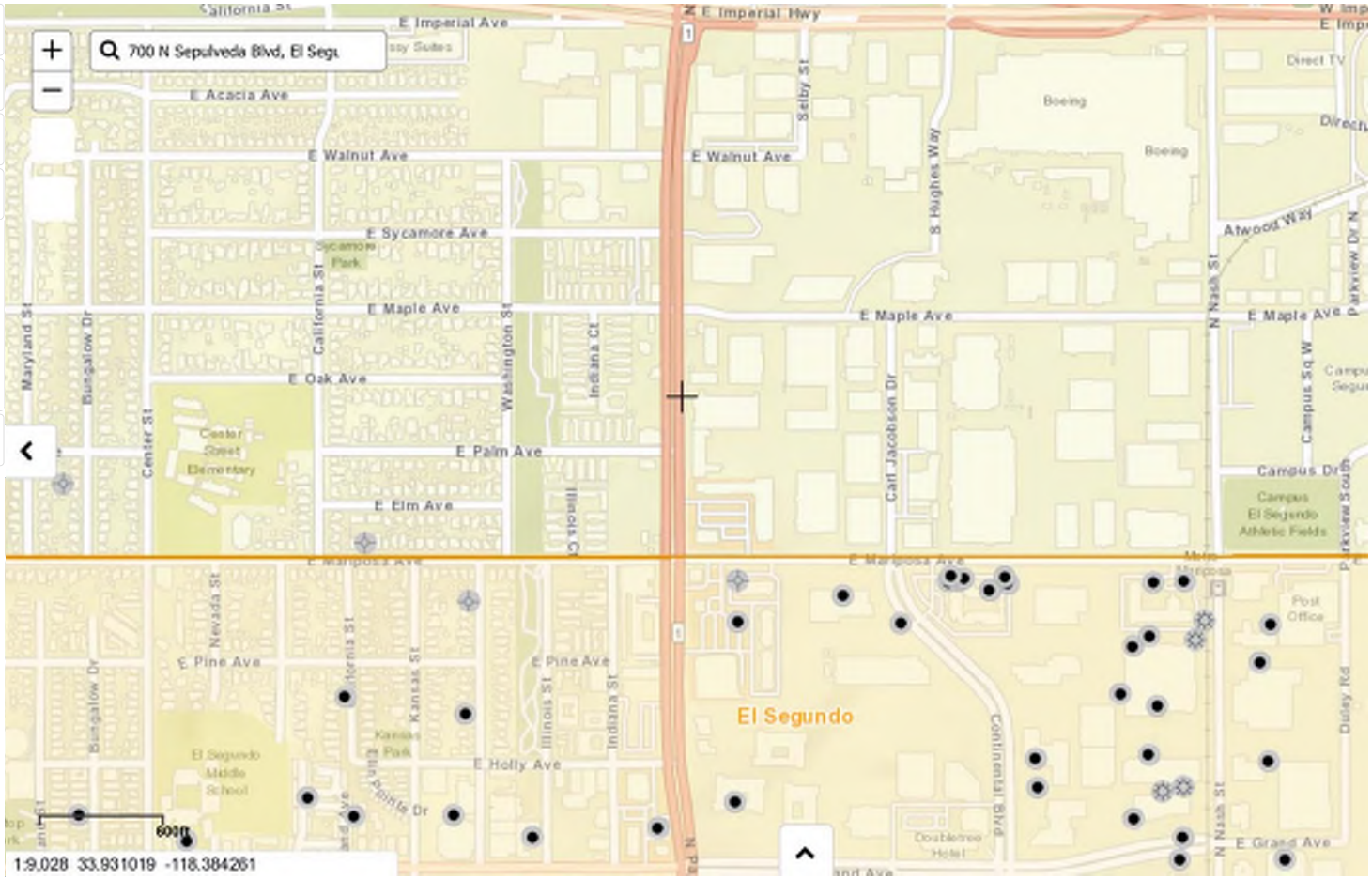
Well Finder
CalGEM GIS

More Info | Help | ©

- Well Status and Well Type Filter
- Search
- Zoom to Field
- Measurement

Measurement Result

- Layers



Results for California Waste Codes, as a Generator, for EPA-ID: CAL000121434

Calif. Waste Code	Description	1994	1995	1996	1997	1998
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS	0	0	0	0	0.025
151	ASBESTOS-CONTAINING WASTE	25.284	8.428	0	0	19.3844
213	HYDROCARBON SOLVENTS	0	0	0	0	0
261	POLYCHLORINATED BIPHENYLS & MATLS W/	11.0299	0	0	0	0
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS	0.035	0	0	0	0.03
541	PHOTOCHEMICALS / PHOTOPROCESSING WASTE	0.125	0.9799	0.3753	0.6255	0.5975
791	LIQUIDS W PH<=2	0.0025	0	0	0	0
792	LIQUIDS W PH<=2 W METALS	0	0	0	0.65	0
	Grand Totals	36.4764	9.4079	0.3753	1.2755	20.0369

No results for California Waste Codes, as a Transporter 1, for EPA-ID: CAL000121434

No results for California Waste Codes, as a Transporter 2, for EPA-ID: CAL000121434

No results for California Waste Codes, as a TSDF, for EPA-ID: CAL000121434

No results for California Waste Codes, as a Alternate TSDF, for EPA-ID: CAL000121434

Results for RCRA, as a Generator, for EPA-ID: CAL000121434

RCRA	Description	1994	1995	1996	1997	1998
	Blank/Unknown	36.3139	8.428	0	0	19.4144
D001	Ignitable	0.025	0	0	0	0
D002	Corrosives	0.0025	0	0	0.65	0.025
D011	Silver	0.125	0.9799	0.3753	0.6255	0.5975
F002	Halogenated solvents	0.01	0	0	0	0
	Grand Totals	36.4764	9.4079	0.3753	1.2755	20.0369

No results for RCRA, as a Transporter 1, for EPA-ID: CAL000121434

No results for RCRA, as a Transporter 2, for EPA-ID: CAL000121434

No results for RCRA, as a TSDF, for EPA-ID: CAL000121434

No results for RCRA, as a Alternate TSDF, for EPA-ID: CAL000121434

1999	2000
0	0
0	24.2104
0	0.2025
0	0
0	0
0.562	0.1335
0	0
0	0
0.562	24.5464

1999	2000
0	24.2104
0	0.2025
0	0
0.562	0.1335
0	0
0.562	24.5464

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control
Meredith Williams, Ph.D., Director
1001 "I" Street
P.O. Box 806
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Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number: CAL000121434
Name: HUGHES SPACE & COMMUNICATIONS
County: LOS ANGELES
NAICS: 33429

Status: INACTIVE
Inactive Date: 6/30/2001 12:00:00 AM
Record Entered: 11/9/1993 12:00:00 AM
Last Updated: 11/1/2001 12:00:00 AM

	Name	Address	City	State	Zip Code	Phone
Location	HUGHES SPACE & COMMUNICATIONS	650 - 700 N. SEPULVEDA AVE	EL SEGUNDO	CA	902450000	
Mailing		PO BOX 92919	LOS ANGELES	CA	900092919	
Owner	HUGHES SPACE & COMM CO	PO BOX 92919	LOS ANGELES	CA	900092919	3103649400
Operator/Contact	JERROD NEWLANDER/SHEA SPECIALI	PO BOX 92919 S41/A320	LOS ANGELES	CA	900092919	3104169394

Based Only Upon ID Number: **CAL000121434**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
1994	5 36.47640	0 0.00000	0 0.00000	0 0.00000	0 0.00000
1995	6 9.40790	0 0.00000	0 0.00000	0 0.00000	0 0.00000
1996	3 0.37530	0 0.00000	0 0.00000	0 0.00000	0 0.00000
1997	6 1.27550	0 0.00000	0 0.00000	0 0.00000	0 0.00000
1998	7 20.03690	0 0.00000	0 0.00000	0 0.00000	0 0.00000
1999	4 0.56200	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2000	5 24.54640	0 0.00000	0 0.00000	0 0.00000	0 0.00000

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in

the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Results for California Waste Codes, as a Generator, for EPA-ID: CAC002647412

Calif. Waste Code	Description	2009
221	WASTE OIL AND MIXED OIL	6.7222
	Grand Total	6.7222

No results for California Waste Codes, as a Transporter 1, for EPA-ID: CAC002647412
No results for California Waste Codes, as a Transporter 2, for EPA-ID: CAC002647412
No results for California Waste Codes, as a TSDF, for EPA-ID: CAC002647412
No results for California Waste Codes, as a Alternate TSDF, for EPA-ID: CAC002647412
Results for RCRA, as a Generator, for EPA-ID: CAC002647412

RCRA	Description	2009
	Blank/Unknown	6.7222
	Grand Total	6.7222

No results for RCRA, as a Transporter 1, for EPA-ID: CAC002647412
No results for RCRA, as a Transporter 2, for EPA-ID: CAC002647412
No results for RCRA, as a TSDF, for EPA-ID: CAC002647412
No results for RCRA, as a Alternate TSDF, for EPA-ID: CAC002647412

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Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number: CAC002647412
Name:
SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION
County: LOS ANGELES
NAICS: N/A

Status: INACTIVE
Inactive Date: 4/14/2010 3:16:10 PM
Record Entered: 10/15/2009 3:16:10 PM
Last Updated: 5/6/2010 3:32:40 PM

	Name	Address	City	State	Zip Code	Phone
Location	SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION	650 N SEPULVEDA BLVD	EL SEGUNDO	CA	902453422	
Mailing		2244 WALNUT GROVE AVE	ROSEMEAD	CA	917703714	
Owner	SOUTHERN CALIFORNIA EDISON	2244 WALNUT GROVE AVE	ROSEMEAD	CA	917703714	6263029711
Operator/Contact	STAN MARSH	2244 WALNUT GROVE AVE	ROSEMEAD	CA	917703714	6263029711

Based Only Upon ID Number: **CAC002647412**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2009	2 6.72220	0 0.00000	0 0.00000	0 0.00000	0 0.00000

Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

Results for California Waste Codes, as a Generator, for EPA-ID: CAR000071167

Calif. Waste Code	Description	2000	2001	2002	2003	2004
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%	0	0	0.252	0	0
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS	0	0	0	0	0.0075
151	ASBESTOS-CONTAINING WASTE	23.5984	38.062	0.497	0.125	12.778
181	OTHER INORGANIC SOLID WASTE	0	0	0	0	0
211	HALOGENATED SOLVENTS	0	0	0	0	0
213	HYDROCARBON SOLVENTS	0.2435	0	0	0	0
221	WASTE OIL AND MIXED OIL	0	0	0	0	0
322	BIOLOGICAL WASTE (FOOD PROCESSING, ETC.)	0.015	0	0	0	0
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS	0	0	0	0.0375	0.18
352	OTHER ORGANIC SOLIDS	0	0.025	0	0	0
541	PHOTOCHEMICALS / PHOTOPROCESSING WASTE	0.4205	0.404	0.4005	0	0
792	LIQUIDS W PH<=2 W METALS	0.5	0	0	0	0
	Grand Totals	24.7774	38.491	1.1495	0.1625	12.9655

No results for California Waste Codes, as a Transporter 1, for EPA-ID: CAR000071167

No results for California Waste Codes, as a Transporter 2, for EPA-ID: CAR000071167

No results for California Waste Codes, as a TSDF, for EPA-ID: CAR000071167

No results for California Waste Codes, as a Alternate TSDF, for EPA-ID: CAR000071167

Results for RCRA, as a Generator, for EPA-ID: CAR000071167

RCRA	Description	2000	2001	2002	2003	2004
	Blank/Unknown	23.6134	38.087	0.749	0.125	0
D001	Ignitable	0.2435	0	0	0.0375	0.0625
D002	Corrosives	0.5	0	0	0	0
D008	Lead	0	0	0	0	0
D011	Silver	0.4205	0.404	0.4005	0	0
F002	Halogenated solvents	0	0	0	0	0
F003	Non-halogenated solvents	0	0	0	0	0
F005	Non-halogenated solvents	0	0	0	0	0
NR	Blank/Unknown	0	0	0	0	12.903
U220	Toluene	0	0	0	0	0
	Grand Totals	24.7774	38.491	1.1495	0.1625	12.9655

No results for RCRA, as a Transporter 1, for EPA-ID: CAR000071167

No results for RCRA, as a Transporter 2, for EPA-ID: CAR000071167

No results for RCRA, as a TSDF, for EPA-ID: CAR000071167

No results for RCRA, as a Alternate TSDF, for EPA-ID: CAR000071167

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2018
0	0	0	0.1	0	0	0.125	0	0.15	0	0	0.02
0	0	0	0	0	0	0	0	0	0	0	0
0	0.0375	0.476	6.468	22.736	6.272	6.375	0	0.25	0.1	1.61	0
0	0	0	0.0025	0	0.0025	0	0	0	0	0	0
0	0	0	0.15	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.143	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.0775	0	0	0.0025	0.095	0.075	0	0	0	0
0	0	0.0375	0.0875	0	0.025	0.125	0.075	0.125	0.025	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.25	0	0	0	0	0
0.143	0.0375	0.591	6.808	22.736	6.302	6.97	0.15	0.525	0.125	1.61	0.02

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2018
0	0.0375	0.5135	6.6555	22.736	6.297	6.55	0.075	0.425	0.1	1.61	0.02
0	0	0.0275	0.0025	0	0.0025	0.025	0	0	0	0	0
0	0	0	0	0	0	0.02	0	0	0	0	0
0	0	0	0	0	0.0025	0.25	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0.15	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.075	0.1	0.025	0	0
0	0	0	0	0	0	0.125	0	0	0	0	0
0.143	0	0	0	0	0	0	0	0	0	0	0
0	0	0.05	0	0	0	0	0	0	0	0	0
0.143	0.0375	0.591	6.808	22.736	6.302	6.97	0.15	0.525	0.125	1.61	0.02

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Gavin Newsom
Governor

EPA ID PROFILE

Map

ID Number:	CAR000071167	**Status:**	ACTIVE
Name:	THE BOEING CO	**Inactive Date:**	
County:	LOS ANGELES	**Record Entered:**	1/3/2001 12:00:00 AM
NAICS:	33429	**Last Updated:**	8/7/2019 4:55:39 PM

	Name	Address	City	State	Zip Code	Phone
Location	THE BOEING CO	650-700 N SEPULVEDA BLVD	EL SEGUNDO	CA	902450000	
Mailing		PO BOX 92919 W/S25/D581	LOS ANGELES	CA	900090000	
Owner	THE BOEING COMPANY	PO BOX 92919 W/S25/D581	LOS ANGELES	CA	900090000	3103458778
Operator/Contact	JERROD NEWLANDER	PO BOX 92919 W/S25/D581	LOS ANGELES	CA	90009	3103458778

Based Only Upon ID Number: **CAR000071167**

Calif. Manifests?	Non Calif. Manifests?	Transporter Registration?
Yes	N/A	N/A

California and Non California Manifest Tonnage Total and Waste Code by Year Matrix by Entity Type (if available) are on the next page

Calif. Manifest Counts and Total Tonnage

Top line represents Manifest Count and Bottom line represents Total Tonnage

Year	Generator	Trans. 1	Trans. 2	TSDF	ALT. TSDF
2000	8 24.77740	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2001	8 38.49100	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2002	6 1.14950	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2003	1 0.16250	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2004	5 12.96550	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2005	1 0.14300	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2006	1 0.03750	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2007	5 0.59100	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2008	4 6.80800	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2009	6 22.73600	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2010	3 6.30200	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2011	10 6.97000	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2012	4 0.15000	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2013	7 0.52500	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2014	2 0.12500	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2016	1 1.61000	0 0.00000	0 0.00000	0 0.00000	0 0.00000
2018	1 0.02000	0 0.00000	0 0.00000	0 0.00000	0 0.00000

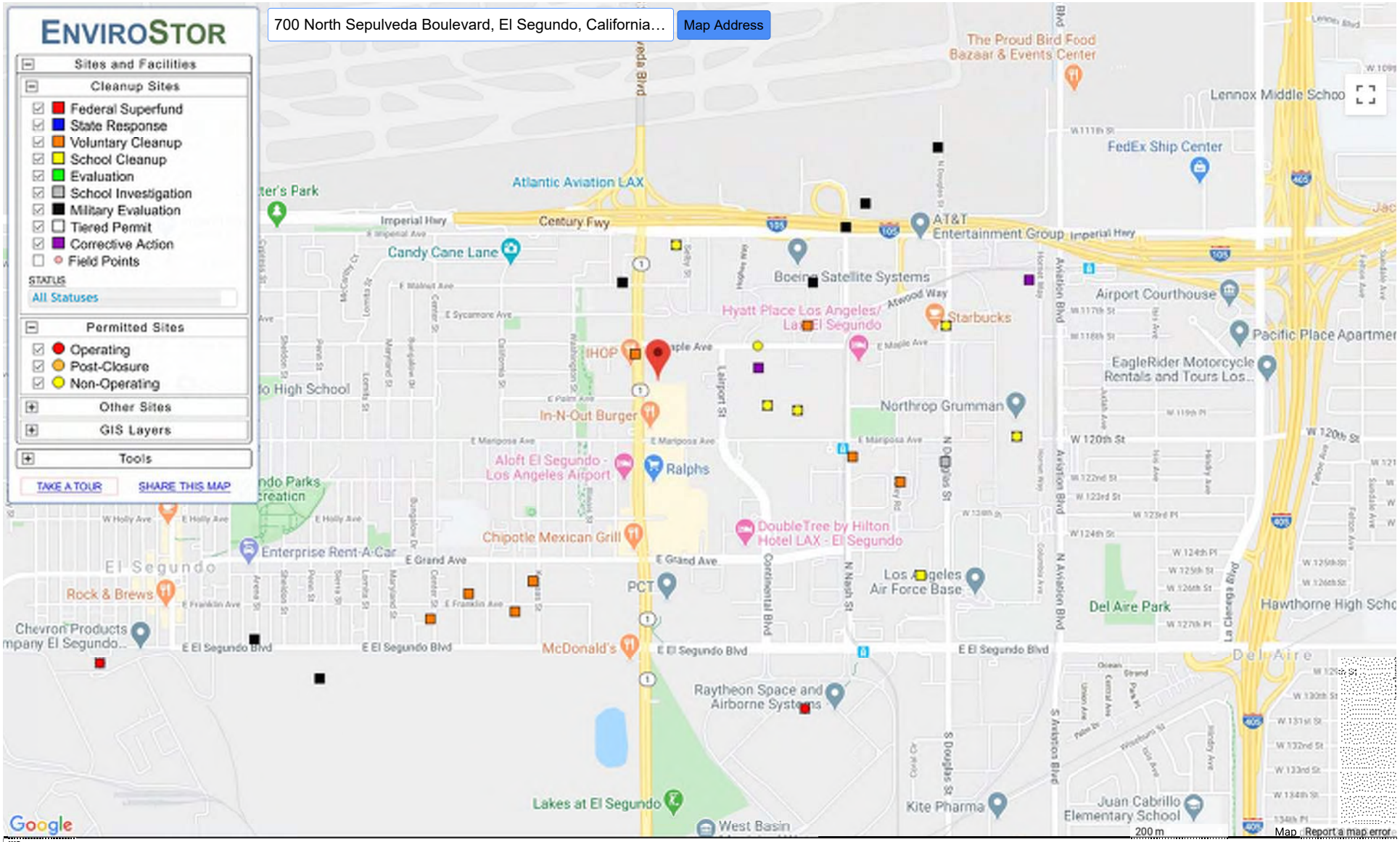
Non California Manifest Total Tonnage

No Records Found

Waste Code Matrix					
California	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF
RCRA	Generator	Trans. 1	Trans. 2	TSDF	Alt. TSDF

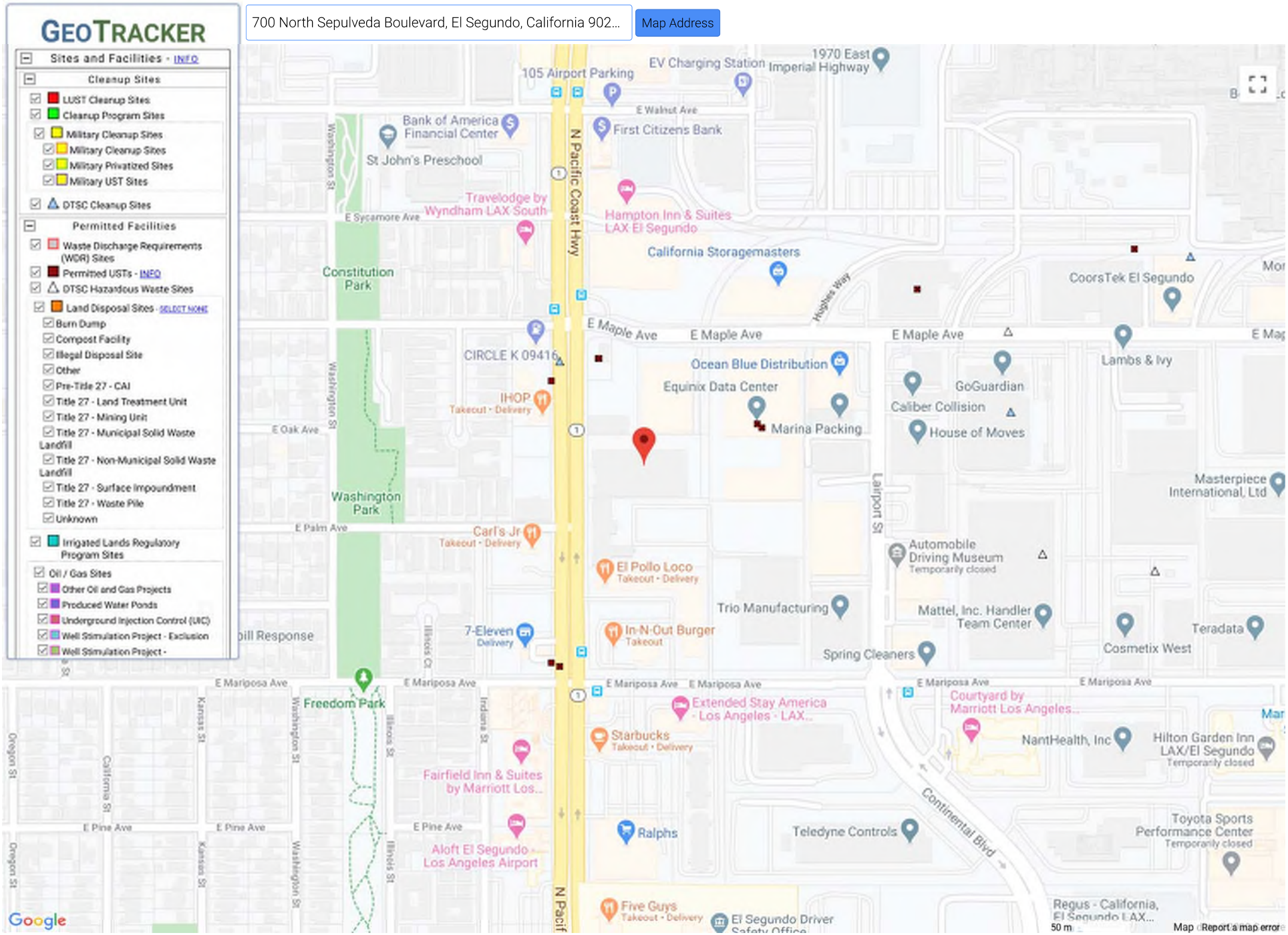
Waste Code Matrix as a spreadsheet

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.



SITES CURRENTLY VISIBLE ON MAP — **36 SITES LISTED** — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
1330 EAST FRANKLIN AVENUE	ACTIVE	VOLUNTARY CLEANUP	1330 EAST FRANKLIN AVENUE	EL SEGUNDO
134 CENTER STREET	ACTIVE	VOLUNTARY CLEANUP	134 CENTER STREET	EL SEGUNDO
201 N. DOUGLAS PROPERTY	ACTIVE	SCHOOL CLEANUP	201 N. DOUGLAS STREET	EL SEGUNDO
835 LAPHAM STREET	ACTIVE	CORRECTIVE ACTION	835 LAPHAM STREET	EL SEGUNDO
AFP #9	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION		LOS ANGELES
AME ROCKWEL EL SEG AUXILIARY	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION		LOS ANGELES
BOEING SATELLITE SYSTEMS INC	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	CORRECTIVE ACTION	1920 E IMPERIAL HWY	EL SEGUNDO
CHEVRON 1001651-EL SEGUNDO REFINERY	REFER: RWQCB	CORRECTIVE ACTION	324 W EL SEGUNDO BLVD	EL SEGUNDO
CHEVRON EL SEGUNDO REFINERY	OPERATING PERMIT	OPERATING	324 W EL SEGUNDO BLVD	EL SEGUNDO
EL SEGUNDO STORAGE ANNEX	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION		EL SEGUNDO
FORMER NORTH AMERICAN TRISONIC WIND TUNNEL	NO FURTHER ACTION	VOLUNTARY CLEANUP	400 DULEY ROAD	EL SEGUNDO
GARRETT AVIATION SVCS. - CFC AVIATION SVCS.	REFER: OTHER AGENCY	TIERED PERMIT	6201 W. IMPERIAL HIGHWAY	LOS ANGELES



SITES CURRENTLY VISIBLE ON MAP

PAR 29 & 803 DEAD

4138	6 SHEET	P. A. 4139-6	TRA 9851	REVISED 761006612 770414806	840823-85 91041602001006-25 20180312/19-26				SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

2018

MAPPING AND GIS SERVICES
SCALE 1" = 150'

PG 5

80 MAPLE AVE 80

0.14±AC
800
247, 4-23-69

R=160 R=240 R=20 R=20

61.50 4.95 60.04 8.75 45.33 196.80 N12°30'25"E 17.74 32.06 335.94 S 89°59'20"W 25.56 171.84

31.40 31.42

125.06 130.03 138.32 N 0°00'20"W

BLVD

2 0.29±AC

SUB OF SAUSAL REDONDO RANCHO

12 0.99±AC

84.94 110

3 0.84±AC

304.26

4 1.75±AC

R=383.065 83.66

R=369.27 75.02

R=344.27 75.09

217.80 143.30 197.80

DR 80

187.94

199.70

35 20 10 10 530

11 3.99±AC

200

25.06 125.06

175 218.89 S 89°59'20"W 393.83 35 30

455.49

75 13 75

25.06 VARIES

30 0.15±AC

142.80 14 142.80

5 1.99±AC

220.06 220 220

N 0°00'20"W

30

328.34

S 89°59'20"W

25.07

PG 19

POR NW 1/4 SEC 7 T3S R14W

238.21 31 2.32±AC 238.40 199 10 1.50±AC 199 1042.26 1042.28 354.10 15 1.63±AC 354.10 N 0°00'20"W

S 89°59'20"W

S 89°58'02"E 423.81

25.08

200

R S 66 - 5

SEPULVEDA VARIES

398.09

338.22 8 3.48±AC 358.09 9 2.92±AC 387.77 327.08 16 1.50±AC 307.22

CARL JACOBSON 80

S C C C F

11629 218

32 0.65±AC

R=20 31.38 403.83 328.34 25 180 31.43 R=20

45.06

90 40 MARIPOSA AVE 40 90

SW COR NW 1/4, SEC 17

BK 4139

C F 1954

PALM AVE

PG 7

Date Printed: 2/8/2018 12:21:28 PM

PUBLIC RECORDS REQUEST FORM

ATTENTION REQUESTOR: To fulfill your request for records, please fill out this form completely, and identify specifically the type of records you are requesting. Requests must reasonably describe identifiable records prepared, owned, used, or retained by the Sanitation Districts.

REQUESTOR INFORMATION

Name:	Jeffrey L. McNeil	Date:	
Company:	AEI Consultants		
Mailing Address:	9445 Derby Drive		
City:	Jurupa Valley	State: California	Zip Code: 92509
Phone Number:	949-241-2999	Fax Number (optional):	
Email Address (recommended):	jmcneil@compass-rms.com		

REQUESTED RECORDS

Please clearly describe each requested record or document
*(use additional copies of this form, as necessary)**

All records pertaining to Industrial Wastewater Discharge permits for the property located at: 650, 690 and 700 North Sepulveda Boulevard, El Segundo, California 90245, Also Know as 650, 690 and 700 Pacific Coast Highway, El Segundo, California 90245		
Time Period of Document Requested	From: 1/1/1849	To: Present

Time Period of Document Requested	From:	To:

Time Period of Document Requested	From:	To:

* *Requests that are not specific and focused will be returned for more information. If requested, the Sanitation Districts will assist you in making focused and effective requests for identifiable records. The Sanitation Districts will not create new documents or records in response to a request.*

Digitally signed by Jeffrey L. McNeil
DN: cn=Jeffrey L. McNeil, o=Compass Risk Management Services, ou, email=jmcneil@compass-rms.com, c=US
Date: 2020.05.24 20:11:36 -07'00'

Signature of Requestor

Submit requests by mail, email or fax to:

Records Administrator
County Sanitation Districts of Los Angeles County
P.O. Box 4998
Whittier, CA 90607-4998
records_administrator@lacsd.org
Fax (562) 699-5422

Office Use Only:
Date request received:
Date initial response issued:
Date request was closed:

Jeffrey L. McNeil

From: lramos@aqmd.gov
Sent: Wednesday, May 20, 2020 7:37 AM
To: Jeffrey L. McNeil
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1401677, -- Completion Letter

Jeffrey Mcneil
Compass Risk Management Services, Llc
9445 Derby
Jurupa Valley, Ca 92509

Ref: Request for Records; Control No. **1401677**, Received 5/19/2020
RE: P/O'S, EQ'S, NOV'S & NC'S FOR 650 & 700 N. SEPULVEDA BLVD, EL SEGUNDO, CA

After a thorough search of this agency's records, the following records were found:

P/O'S, EQL'S & NC'S FOR 650 & 700 N. SEPULVEDA BLVD, EL SEGUNDO, CA

The following records were not found:

NOV'S FOR 650 & 700 N. SEPULVEDA BLVD, EL SEGUNDO, CA

Your records were provided --Electronically-- on 5/20/2020.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**
Sincerely,

Lisa Ramos
For Colleen Paine
Public Records Coordinator
Information Management

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

AQMD

Rule 1415 Registration Form

FACILITY INFORMATION

[X] AQMD ID # OR [ ] FEDERAL TAX ID #: 155010

FACILITY NAME: **Boeing Satellite Systems, Inc**

LOCATION ADDRESS: **700 N. Sepulveda Blvd**

CITY: **El Segundo** | STATE: **CA** | ZIP CODE: **90245** | CONTACT PHONE: **310-662-6309**

CONTACT PERSON: **Graciela D Kawa** | TITLE OF CONTACT PERSON: **Env. Engineer**

TYPE OF BUSINESS: **Satellite Manufacturer** | BUSINESS TYPE CODE (SEE INSTRUCTIONS): **3669**

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENT AGENCY? YES [ ] NO [X]
IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X]

EQUIPMENT INFORMATION

FOR EACH REFRIGERATION SYSTEM AT THE ABOVE FACILITY LOCATION THAT HOLDS **>50 LBS. OF CFC (CHLOROFLUOROCARBON) OR HCFC (HYDROCHLOROFLUOROCARBON) REFRIGERANT,** PLEASE PROVIDE THE FOLLOWING INFORMATION:

UNIT >50 lbs.	F/R/A TYPE	MANUFACTURER	MODEL YEAR	SERIAL NUMBER	REFRIG-ERANT TYPE	STORAGE CAPACITY (lbs. of refrigerant)	DATE OF LAST AUDIT/ MAINTENANCE	ANNUAL ADDITIONAL REFRIGERANT (lbs.) USAGE YEAR (2006)	USAGE YEAR (2007)
1.	A	TRANE	1986	J86G71723	R-22	203	11/12/07	0	0
2.	A	TRANE	1986	J86G71722	R-22	203	11/12/07	0	0
3.									
4.									
5.									
6.									
7.									
8.									

So that your account can be credited properly, please mail the completed form(s), along with a check for **$107.88** to cover the Rule 1415 Registration Plan fee for your facility, to the following address:

South Coast Air Quality Management District
P.O. Box 4944
Diamond Bar, CA 91765

If there are more than 8 units please attach an additional form.

COMPANY INFORMATION

COMPANY NAME: **Boeing Satellite Systems, Inc.** | CONTACT PERSON: **Graciela D Kawa**

MAILING ADDRESS: **P.O. Box 92570 W-S01-D381** | CITY: **Los Angeles** | STATE: **CA** | ZIP CODE: **90245**

CONTACT PHONE: **310-662-6309** | E-MAIL: **graciela.d.kawa@boeing.com** | FAX: **310-662-8683**

SIGNATURE: Graciela Kawa | DATE: 2/26/08

AQMD USE: APPLICATION NO. 480584 | DATE 4/1/08 | CHECK NO. 60806378 | AMOUNT $ 755.16 | ASSIGNMENT UNIT L

NUMBER OF FACILITIES: EQUIP. CAT. NO. 66415 | ENGINEER A R DATE 5/2 INITIAL | Rule #68834

CODE: EM DATE: 5/27/08

South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

Rule 1415 Registration Form

FACILITY INFORMATION

[x] AQMD ID # OR [ ] FEDERAL TAX ID #: 071714

FACILITY NAME: Boeing Satellite Systems, Inc

LOCATION ADDRESS: 650 N. Sepulveda Blvd

CITY: El Segundo | STATE: CA | ZIP CODE: 90245 | CONTACT PHONE: 310-662-6309

CONTACT PERSON: Graciela D Kawa | TITLE OF CONTACT PERSON: Env. Engineer

TYPE OF BUSINESS: Satellite Manufacturer | BUSINESS TYPE CODE (SEE INSTRUCTIONS): 3669

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENT AGENCY? YES [ ] NO [X]
IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? YES [ ] NO [X]

EQUIPMENT INFORMATION

FOR EACH REFRIGERATION SYSTEM AT THE ABOVE FACILITY LOCATION THAT HOLDS **>50 LBS. OF CFC (CHLOROFLUOROCARBON) OR HCFC (HYDROCHLOROFLUOROCARBON) REFRIGERANT,** PLEASE PROVIDE THE FOLLOWING INFORMATION:

UNIT >50 lbs.	F/R/A TYPE	MANUFACTURER	MODEL YEAR	SERIAL NUMBER	REFRIG-ERANT TYPE	STORAGE CAPACITY (lbs. of refrigerant)	DATE OF LAST AUDIT/ MAINTENANCE	ANNUAL ADDITIONAL REFRIGERANT (lbs.) USAGE YEAR (2006)	USAGE YEAR (2007)
1.	A	TRANE	1990	L89M04083	R-11	675	1/10/07	0	0
2.	A	TRANE	1986	L86A34175	R-11	475	1/10/07	0	0
3.									
4.									
5.									
6.									
7.									
8.									

So that your account can be credited properly, please mail the completed form(s), along with a check for **$107.88** to cover the Rule 1415 Registration Plan fee for your facility, to the following address:

South Coast Air Quality Management District
P.O. Box 4944
Diamond Bar, CA 91765

If there are more than 8 units please attach an additional form.

COMPANY INFORMATION

COMPANY NAME: Boeing Satellite Systems, Inc. | CONTACT PERSON: Graciela D Kawa

MAILING ADDRESS: P.O. Box 92570 W-S01-D381 | CITY: Los Angeles | STATE: CA | ZIP CODE: 90245

CONTACT PHONE: 310-662-6309 | E-MAIL: graciela.d.kawa@boeing.com | FAX: 310-662-8683

SIGNATURE: Graciela Kawa | DATE: 3/26/08

AQMD USE: APPLICATION NO. 480582 | DATE 4/11/08 | CHECK NO. 60006378 | AMOUNT $755.16 | ASSIGNMENT UNIT L

NUMBER OF FACILITIES: EQUIP. CAT. NO. 66418 | ENGINEER A R | INITIAL | CODE: 32 | DATE: 5/21/08 | TRACK # 68834

Registration Form 1415; Rev 12/07

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765
909.396.2000

Rule 1415 Registration Form

FACILITY INFORMATION

X AQMD ID # OR ☐ New Business

FACILITY NAME	Boeing Satellite Systems, Inc			071714
LOCATION ADDRESS	650 N. Sepulveda Blvd.			
CITY	El Segundo	STATE CA	ZIP CODE 90245	CONTACT PHONE 310-416-5627
CONTACT PERSON	Kimberly Balcerzak			TITLE OF CONTACT PERSON Environmental Engr.
TYPE OF BUSINESS	Satellite Manufacturer			BUSINESS TYPE CODE (SEE INSTRUCTIONS) 336414
ANNUAL ENERGY USE	2008 kWh/year	2009 kWh/year		FACILITY AREA square feet

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENT AGENCY? YES ☐ NO X

IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO X

EQUIPMENT INFORMATION

FOR EACH REFRIGERATION SYSTEM AT THE ABOVE FACILITY LOCATION THAT HOLDS **>50 LBS. OF CFC (CHLOROFLUOROCARBON) OR HCFC (HYDROCHLOROFLUOROCARBON) REFRIGERANT.**
PLEASE PROVIDE THE FOLLOWING INFORMATION:

UNIT >50 lbs.	F/R/A TYPE	MANUFACTURER	MODEL YEAR	SERIAL NUMBER	REFRIG-ERANT TYPE	STORAGE CAPACITY (lbs. of refrigerant)	DATE OF LAST AUDIT/ MAINTENANCE	ANNUAL ADDITIONAL REFRIGERANT (lbs.) USAGE YEAR (2008)	USAGE YEAR (2009)
1.	**A**	**TRANE**	**1990**	**L89M04083**	**R-11**	**750**	**6/10/2009**	**0**	**0**
2.	**A**	**TRANE**	**1986**	**L86A34175**	**R-11**	**340**	**6/11/2009**	**0**	**0**
3.									
4.									
5.									
6.									
7.									
8.									

So that your account can be credited properly, please mail the completed form(s), along with a check for **$112.30** to cover the Rule 1415 Registration Plan fee for your facility, to the following address:

Area Sources
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

If there are more than 8 units please attach an additional form.

COMPANY INFORMATION

COMPANY NAME	Boeing Satellite Systems			CONTACT PERSON Kimberly Balcerzak
MAILING ADDRESS	P.O. Box 92919 MC W-S01-D381	CITY El Segundo	STATE CA	ZIP CODE 90009
CONTACT PHONE	310-416-5627	E-MAIL Kimberly.I.Balcerzak@Boeing.com		FAX 310-662-8683
SIGNATURE	Kimberly Balcerzak			DATE 1-27-10

AQMD USE	APPLICATION NO. 505878	DATE 1/29/10 LA	CHECK NO. 6000102838	AMOUNT $673.80	ASSIGNMENT UNIT L
NUMBER OF FACILITIES	EQUIP. CAT. NO. 66641S	ENGINEER AR 32 DATE 7/6/10 INITIAL	CK T#85615	1/28/10 mr	

Registration Form 1415; Rev 10/09

3/4

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765
909.396.2000

Rule 1415 Registration Form

FACILITY INFORMATION

X AQMD ID # OR ☐ New Business

FACILITY NAME	Boeing Satellite Systems, Inc
AQMD ID #	155010
LOCATION ADDRESS	Imperial, Maple, Nash & Selby
CITY	El Segundo
STATE	CA
ZIP CODE	90245
CONTACT PHONE	310-416-5627
CONTACT PERSON	Kimberly Balcerzak
TITLE OF CONTACT PERSON	Environmental Engr.
TYPE OF BUSINESS	Satellite Manufacturer
BUSINESS TYPE CODE (SEE INSTRUCTIONS)	336414
ANNUAL ENERGY USE	2008 kWh/year 2009 kWh/year
FACILITY AREA	square feet

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENT AGENCY? YES ☐ NO X

IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO X

EQUIPMENT INFORMATION

FOR EACH REFRIGERATION SYSTEM AT THE ABOVE FACILITY LOCATION THAT HOLDS **>50 LBS. OF CFC (CHLOROFLUOROCARBON) OR HCFC (HYDROCHLOROFLUOROCARBON) REFRIGERANT.**
PLEASE PROVIDE THE FOLLOWING INFORMATION:

UNIT >50 lbs.	F/R/A TYPE	MANUFACTURER	MODEL YEAR	SERIAL NUMBER	REFRIGERANT TYPE	STORAGE CAPACITY (lbs. of refrigerant)	DATE OF LAST AUDIT/ MAINTENANCE	ANNUAL ADDITIONAL REFRIGERANT (lbs.) USAGE YEAR (2008)	USAGE YEAR (2009)
1.	**A**	**TRANE**	**1986**	**J86G71723**	**R-22**	**194**	**6/4/09**	**0**	**10**
2.	**A**	**TRANE**	**1986**	**J86G71722**	**R-22**	**194**	**6/8/09**	**0**	**0**
3.									
4.									
5.									
6.									
7.									
8.									

So that your account can be credited properly, please mail the completed form(s), along with a check for **$112.30** to cover the Rule 1415 Registration Plan fee for your facility, to the following address:

Area Sources
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

If there are more than 8 units please attach an additional form.

COMPANY INFORMATION

COMPANY NAME	Boeing Satellite Systems
CONTACT PERSON	Kimberly Balcerzak
MAILING ADDRESS	P.O. Box 92919 MC W-S01-D381
CITY	El Segundo
STATE	CA
ZIP CODE	90009
CONTACT PHONE	310-416-5627
E-MAIL	Kimberly.I.Balcerzak@Boeing.com
FAX	310-662-8683
SIGNATURE	Kimberly Balcerzak
DATE	1-27-10

AQMD USE	APPLICATION NO. 505881	DATE 1/29/10 LA	CHECK NO. 6000102838	AMOUNT $673.80	ASSIGNMENT UNIT L
NUMBER OF FACILITIES	EQUIP. CAT. NO. 666415	ENGINEER AR 32	DATE 7/6/10	INITIAL	CK. T# 85615 1/28/10 mr

Registration Form 1415; Rev 10/09

5/6

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D13015
A/N 203516
Page 1

This initial permit must be renewed by 01/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: HUGHES AIRCRAFT COMPANY
P. O. BOX 92919 B/S64 M/S C416
LOS ANGELES, CA 90009
ATTN: R. TESSIER

ID 71714

Equipment located at: 650 N. SEPULVEDA BOULEVARD, EL SEGUNDO, CALIFORNIA

Equipment Description:

BOILER, RITE, WATERTUBE TYPE, MODEL NUMBER 200X, SERIAL NUMBER 5679JY, 2000000 BTU/HR, WITH 30 RITE GAS BURNERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT MUST BE FIRED ON NATURAL GAS ONLY.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/lv
December 12, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D13014
A/N 203515
Page 1

This initial permit must be renewed by 01/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: HUGHES AIRCRAFT COMPANY
P. O. BOX 92919 B/S64 M/S C416
LOS ANGELES, CA 90009
ATTN: R. TESSIER

ID 71714

Equipment located at: 650 N. SEPULVEDA BOULEVARD, EL SEGUNDO, CALIFORNIA

Equipment Description:

BOILER, RITE, WATERTUBE TYPE, MODEL NUMBER 200X, SERIAL NUMBER 5675JY, 2000000 BTU/HR, WITH 30 RITE GAS BURNERS.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THIS EQUIPMENT MUST BE FIRED ON NATURAL GAS ONLY.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/lv
December 12, 1989

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

METRO ZONE – 434 South San Pedro Street, Los Angeles, California 90013

M 05094

SECTOR CE

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: DEVLIN PHARMACEUTICALS, INC. Appl. No. C-09111

EQUIPMENT LOCATED AT: 700 NORTH SEPULVEDA BLVD.
EL SEGUNDO CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

OVEN, INDUSTRIAL HEATING AND ENGINEERING, 11'-6" W. X 14'-11" L. X 5'-5" H., 1,300,000 BTU PER HR., INDIRECT GAS FIRED, WITH ONE 1/3-HP COMBUSTION BLOWER, ONE 10-HP CIRCULATING BLOWER, AND ONE 2 H.P. EXHAUST BLOWER.

-CONDITION-

THE TOTAL QUANTITY OF MATERIAL DRIED IN THIS OVEN MUST NOT EXCEED 100 GALLONS IN ANY ONE DAY.

FILE COPY

This initial permit must be renewed by 8/14/79 or an earlier date if equipment is moved, altered, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact Zone office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

SCAPCD 014 25000:a 821R

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER
HELEN THOMPSON
PERMIT SECTION

BY [signature]

DATE 8/14/78

78P23SM-2/77

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 10408

SECTOR CE

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

Appl.No. C-11781

LEGAL OWNER OR OPERATOR: DEVLIN PHARMACEUTICALS, INC.

EQUIPMENT LOCATED AT: 700 N. SEPULVEDA BLVD.
EL SEGUNDO, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

OVEN, INDUSTRIAL HEATING AND ENGINEERING, 11'-6" W. x 14'-11" L. x 5'-5" H., INDIRECT GAS FIRED, WITH ONE 10 H.P. CIRCULATING FAN AND ONE 2 H.P. EXHAUST FAN.

-CONDITION-

1. WHENEVER PHOTOCHEMICALLY REACTIVE SOLVENTS ARE USED IN THIS EQUIPMENT, THE ORGANIC MATERIALS DISCHARGED INTO THE ATMOSPHERE MUST NOT EXCEED 39.6 POUNDS IN ANY ONE DAY NOR 7.9 POUNDS IN ANY ONE HOUR UNLESS SUCH DISCHARGE IS CONTROLLED TO COMPLY WITH RULE 442.

FILE COPY

This initial permit must be renewed by 5/5/81 unless the equipment is moved, or changes ownership If billing for annual renewal fee (Rule 301 f) not received by expiration date, contact office above

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

HELEN THOMPSON
PERMIT SECTION

BY

DATE 5/5/80

SCAPCD036 25000:a 8138

VOID UNLESS VALIDATED

76P235M - 6/79

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765
909.396.2000

Rule 1415 Registration Form
(For Air Conditioning Systems Only)

FACILITY INFORMATION

X AQMD ID # OR ☐ New Business

FACILITY NAME	Boeing Satellite Systems, Inc
AQMD ID #	071714
LOCATION ADDRESS	650 N. Sepulveda Blvd.
CITY	El Segundo
STATE	CA
ZIP CODE	90245
CONTACT PHONE	310-416-5627
CONTACT PERSON	Kimberly Balcerzak
TITLE OF CONTACT PERSON	Environmental Engr.
TYPE OF BUSINESS	Satellite Manufacturer
BUSINESS TYPE CODE (SEE INSTRUCTIONS)	336414

FOR THIS PROJECT, HAS A CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) DOCUMENT BEEN REQUIRED BY ANOTHER GOVERNMENT AGENCY? YES ☐ NO X

IF YES, ENTER NAME OF AGENCY:

DO YOU CLAIM CONFIDENTIALITY OF DATA? YES ☐ NO X

EQUIPMENT INFORMATION

FOR EACH **AIR CONDITIONING SYSTEM** AT THE ABOVE FACILITY LOCATION THAT HOLDS **>50 LBS. OF HIGH GLOBAL WARMING POTENTIAL REFRIGERANT, E.G., CFC (CHLOROFLUOROCARBON), HCFC (HYDROCHLOROFLUOROCARBON), HFC (HYDROFLUOROCARBON), PFC (PERFLUOROCARBON),** ETC, PLEASE PROVIDE THE FOLLOWING INFORMATION:

UNIT >50 lbs.	MANUFACTURER	MODEL YEAR	SERIAL NUMBER	REFRIGERANT TYPE	STORAGE CAPACITY (lbs. of refrigerant)	DATE OF LAST AUDIT/ MAINTENANCE	ANNUAL ADDITIONAL REFRIGERANT (lbs.) USAGE YEAR (2010)	USAGE YEAR (2011)
1.	**TRANE**	**1989**	**L89M04083**	**R-11**	**750**	**4/8/2011**	**0**	**0**
2.	**TRANE**	**1986**	**L86A34175**	**R-11**	**340**	**4/18/2011**	**0**	**0**
3.								
4.								
5.								
6.								
7.								
8.								

So that your account can be credited properly, please mail the completed form(s), along with a check for **$116.27** to cover the Rule 1415 Registration Plan fee for your facility, to the following address:

Area Sources
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

If there are more than 8 units please attach an additional form.

COMPANY INFORMATION

COMPANY NAME	Boeing Satellite Systems
CONTACT PERSON	Kimberly Balcerzak
MAILING ADDRESS	P.O. Box 92919 MC W-S01-D381
CITY	El Segundo
STATE	CA
ZIP CODE	90009
CONTACT PHONE	310-416-5627
E-MAIL	Kimberly.I.Balcerzak@Boeing.com
FAX	310-662-8683
SIGNATURE	Kimberly Balcerzak
DATE	1-16-12

AQMD USE

APPLICATION NO.	532052	DATE	1-24-12	CHECK NO.	600171146
AMOUNT $	697.62	ASSIGNMENT UNIT	L		
NUMBER OF FACILITIES	6	EQUIP. CAT. NO.	66415	ENGINEER	AR
DATE	2/6/12	INITIAL			

(99643)

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

PERMIT TO OPERATE

Permit No.
G26244
A/N 554937

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 71714

Legal Owner
or Operator: BOEING SATELLITE SYSTEMS INC
P O BOX 92919 , ATTN: KIMBERLY BALCERZAK
LOS ANGELES, CA 90009-2919

Equipment Location: 650 N SEPULVEDA BLVD, EL SEGUNDO, CA 90245-3419

Equipment Description :

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 12 CYLINDER, TURBOCHARGED/AFTERCOOLED, MODEL C-32, 1502 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions :.

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. A NON-RESETTABLE TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.

4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.

5. AN ENGINE OPERATING LOG OF ENGINE OPERATIONS SHALL BE KEPT AND MAINTAINED DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION SUCH AS:

   A. EMERGENCY USE
   B. MAINTENANCE AND TESTING
   C. OTHER (BE SPECIFIC)

   IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF ENGINE OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

FILE COPY

6. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG:

   A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
   B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

7. ENGINE OPERATION LOG(S) SHALL BE RETAINED ON SITE FOR A MINIMUM OF THREE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.

8. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT: (A) THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME; AND (B) THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.

9. THIS ENGINE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULES 431.2, 1470 AND 1472.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M.Bailey/WC01
8/13/2013

FILE COPY

South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

South Coast AQMD

For online instructions and current fees, click here.

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 155010

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location Is:

Imperial, Maple, Nash Selby
Street Address

El Segundo, CA 90245
City Zip

Araceli McAdam — Environmental Scientist
Contact Name — Title

(310) 662-6309 — Ext. — araceli.d.mcadam@boeing.com
Phone # — Ext. — E-Mail

Section C - Business Mailing Address

5. Correspondence Information:

☐ Check here if same as equipment location address

PO BOX 92919
Address

Los Angeles, CA 90009
City State Zip

Araceli McAdam — Environmental Scientist
Contact Name — Title

(310) 662-6309 — Ext. — araceli.d.mcadam@boeing.com
Phone # — Ext. — E-Mail

Section D - Equipment Information/ Refrigerant Usage

6. For each air conditioning system at the above facility location that holds >50 lbs. of high global warming potential refrigerant, e.g., CFC(Chlorofluorocarbon), HCFC (Hydrochlorofluorocarbon), HFC (Hydrofluorocarbon), PFC (PERFLUOROCARBON), etc, please provide the following information:

Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.) Usage Year (2012)	Usage Year (2013)
1.	TRANE	CGAM120F	U11J24489	R-410A	172	09/20/2013	0	0
*2.	TRANE	CGAM120F	U11J24488	R-410A	172	09/20/2013	0	0
3.								
4.								
5.								
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If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location? SATELLITE MANUFACTURER

8. What is your business primary NAICS Code (North American Industrial Classification System)? 334220

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official: Craig Davis

10. Title of Responsible Official: EHS Manager

11. Print Name: Craig Davis

12. Date: 2-28-2014

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING #	EQUIPMENT CATEGORY CODE	FEE $	VALIDATION
	563458 5/6/14	66641		4/1/14 MC

DATE	A	R	ENG A DATE	R	CLASS I II	ASSIGNMENT Unit L Engineer 32	CHECK/MONEY ORDER #	AMOUNT $	TRACKING #
5/20/14							600234739	121.44	GT115267

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South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

South Coast AQMD

For online instructions and current fees, click here.

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 071714

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location Is:

650 N. Sepulveda Blvd.
Street Address

El Segundo, CA 90245
City Zip

Araceli McAdam — Environmental Scientist
Contact Name Title

(310) 662-6309 — Ext. — araceli.d.mcadam@boeing.com
Phone # Ext. E-Mail

Section C - Business Mailing Address

5. Correspondence Information:
☐ Check here if same as equipment location address

PO BOX 92919
Address

Los Angeles, CA 90009
City State Zip

Araceli McAdam — Environmental Scientist
Contact Name Title

(310) 662-6309 — Ext. — araceli.d.mcadam@boeing.com
Phone # Ext. E-Mail

Section D - Equipment Information/ Refrigerant Usage

6. For each air conditioning system at the above facility location that holds >50 lbs. of high global warming potential refrigerant, e.g., CFC(Chlorofluorocarbon), HCFC (Hydrochlorofluorocarbon), HFC (Hydrofluorocarbon), PFC (PERFLUOROCARBON), etc, please provide the following information:

Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.)	
							Usage Year (2012)	Usage Year (2013)
1.	TRANE	CVHE032F	L89M04083	R-11	750	08/28/2013	0	0
2.	TRANE	CVHE020F	L86A34175	R-11	340	08/21/2013	0	0
3.								
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If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location?
SATELLITE MANUFACTURER

8. What is your business primary NAICS Code (North American Industrial Classification System)? 334220

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official: Craig Davis

10. Title of Responsible Official: EHS Manager

11. Print Name: Craig Davis

12. Date: 3-26-2014

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING # 563463 5/6/14		EQUIPMENT CATEGORY CODE: 666415	FEE $	VALIDATION 4/1/14 mc
DATE 5/20/14	A R ENGR DATE R	CLASS I III	ASSIGNMENT Unit L Engineer 328	CHECK/MONEY ORDER # 600234353	AMOUNT $121.44	TRACKING # CT15271

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South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

For online instructions and current fees, *click here*.

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 071714

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location Is:

650 N. Sepulveda Blvd
Street Address

El Segundo, CA 90245
City Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 416-5627 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

Section C - Business Mailing Address

5. Correspondence Information:
☐ Check here if same as equipment location address

PO Box 92919
Address

Los Angeles, CA 90009
City State Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 416-5627 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

Section D - Equipment Information/ Refrigerant Usage

6. For each air conditioning system at the above facility location that holds >50 lbs. of high global warming potential refrigerant, e.g., CFC(Chlorofluorocarbon), HCFC (Hydrochlorofluorocarbon), HFC (Hydrofluorocarbon), PFC (PERFLUOROCARBON), etc, please provide the following information:

Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.) Usage Year (2014)	Usage Year (2015)
1.	Trane	CVHE032F	L89M04083	R-11	750	08/28/2015	0	0
2.	Trane	CVHE020F	L86A34175	R-11	340	07/08/2015	0	0
3.								
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If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location? Guided Missile and Space Vehicle Manufacturing

8. What is your business primary NAICS Code (North American Industrial Classification System)? 336414

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official: Robert Copeland

10. Title of Responsible Official: Environmental Manager

11. Print Name: Robert Copeland

12. Date: 1-21-16

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING #		EQUIPMENT CATEGORY CODE	FEE $	VALIDATION
	681535		416415		1/28/16 AR
DATE	R	ENTRY DATE	R	CLASS I II	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER #	AMOUNT $	TRACKING #
1/27/16					328	3359761	463.60	

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12.6.2016

5/5

South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

For online instructions and current fees, *click here*.

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 155010

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location is:

700 N Sepulveda Blvd
Street Address

El Segundo, CA 90245
City Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 416-5627 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

Section C - Business Mailing Address

5. Correspondence Information:
☐ Check here if same as equipment location address

PO Box 92919
Address

Los Angeles, CA 90009
City State Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 416-5627 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

Section D - Equipment Information/ Refrigerant Usage

6. For each air conditioning system at the above facility location that holds >50 lbs. of high global warming potential refrigerant, e.g., CFC(Chlorofluorocarbon), HCFC (Hydrochlorofluorocarbon), HFC (Hydrofluorocarbon), PFC (PERFLUOROCARBON), etc, please provide the following information:

Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.)	
							Usage Year (2014)	Usage Year (2015)
1.	TRANE	CGAM120F	U11J24489	R-410A	172	09/30/2015	0	0
2.	TRANE	CGAM120F	U11J24488	R-410A	172	09/30/2015	86	0
3.								
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If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location?
Guided Missile and Space Vehicle Manufacturing

8. What is your business primary NAICS Code (North American Industrial Classification System)? 336414

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official:

10. Title of Responsible Official:
Environmental Manager

11. Print Name:
Robert Copeland

12. Date:
1-21-16

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING #		EQUIPMENT CATEGORY CODE	FEE $		VALIDATION
	581533		16616415	0		1/28/16
DATE	R	EDGA DATE	R	CLASS I III	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER #	AMOUNT $	TRACKING #
1/27/16					32 8	33597761	443.60	

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3/5

South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

For online instructions and current fees, click here.

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 071714

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location Is:

650 N. Sepulveda Blvd
Street Address

El Segundo, CA 90245
City Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 341-5916 — Ext. — jolene.h.kent@boeing.com
Phone # Ext. E-Mail

Section C - Business Mailing Address

5. Correspondence Information:
☐ Check here if same as equipment location address

PO Box 92919
Address

Los Angeles, CA 90009
City State Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 341-5916 — Ext. — jolene.h.kent@boeing.com
Phone # Ext. E-Mail

Section D - Equipment Information/ Refrigerant Usage

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Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.) Usage Year (2016)	Usage Year (2017)
1.	Trane	CVHE032F	L89M04083	R-11	750	08/30/2017	0	0
2.	Trane	CVHE020F	L86A34175	R-11	340	08/25/2017	0	0
3.								
4.								
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9.								
10.								

If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location?
Guided Missile and Space Vehicle Manufacturing

8. What is your business primary NAICS Code (North American Industrial Classification System)? 336414

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official: Craig Davis

10. Title of Responsible Official: EHS Manager

11. Print Name: Craig Davis

12. Date: 2/14/2018

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING #		EQUIPMENT CATEGORY CODE	FEE $	VALIDATION
	601002		066415 3.1.18		2/20/18
DATE A R	ENG DATE A R	CLASS I II	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER #	AMOUNT	TRACKING #
			✓	6003947	$579.52	

© South Coast Air Quality Management District, Rule 1415 Registration Form (2014.03)

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South Coast Air Quality Management District

Form R1415

Registration Form for Rule 1415 Refrigerant Usage for Air Conditioning Systems

For online instructions and current fees, click here.

Mail To:
SCAQMD—Area Sources
21865 Copley Dr.
Diamond Bar, CA 91765
Tel: (909) 396-2390
www.aqmd.gov

Section A - Operator Information

1. Facility Name (Business Name of Operator): The Boeing Company

2. Valid AQMD Facility ID (Leave blank if a new business): 155010

3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address

4. Equipment Location Is:

700 N Sepulveda Blvd
Street Address

El Segundo, CA 90245
City Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 341-5916 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

Section C - Business Mailing Address

5. Correspondence Information:
☐ Check here if same as equipment location address

PO Box 92919
Address

Los Angeles, CA 90009
City State Zip

Jolene Kent — Environmental Engineer
Contact Name Title

(310) 341-5916 — Ext. — jolene.h.kent@boeing.com
Phone # E-Mail

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Unit > 50 lbs.	Manufacturer	Model Number	Serial Number	Refrigerant Type	Storage Capacity (lbs. of refrigerant)	Date of Last Audit/ Maintenance	Refrigerant Added Annually (lbs.) Usage Year (2016)	Usage Year (2017)
1.	TRANE	CGAM120F	U11J24489	R-410A	168	10/05/2017	0	0
2.	TRANE	CGAM120F	U11J24488	R-410A	168	10/05/2017	29	0
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

If there are more than 10 units please attach an additional form.

Section E - Facility Business Information

7. What type of business is being conducted at this equipment location?
Guided Missile and Space Vehicle Manufacturing

8. What is your business primary NAICS Code (North American Industrial Classification System)? 336414

Section F - Authorization/Signature

I hereby certify that all information contained herein and information submitted with this application are true and correct.

9. Signature of Responsible Official: Craig Davis

10. Title of Responsible Official: EHS Manager

11. Print Name: Craig Davis

12. Date: 2/14/2018

13. Check List: ☐ Authorized Signature/Date ☐ Fees Enclosed

AQMD USE ONLY	APPLICATION TRACKING #		EQUIPMENT CATEGORY CODE	FEE $	VALIDATION
	601005		WHM453.1.18		2/20/18
A R DATE	ENG A R DATE	CLASS I II	ASSIGNMENT Unit Engineer	CHECK/MONEY ORDER # 600317947	AMOUNT $ 579.52	TRACKING #

© South Coast Air Quality Management District, Rule 1415 Registration Form (2014.03)

4084

SCAQMD Facility Equipment List Report

Facility: 11819 COMPUTER SCIENCES CORP
Status: Out of Business
MR: 1201 SIC: Team:
Last Inspection: 03/04/1985 On Hold: Suspended: TS:
Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID:
Assignment:
Location Address: 650 N SEPULVEDA BLVD, EL SEGUNDO 90245 Sector:WJ
Inspector:
Mailing Address: 650 N SEPULVEDA BLVD, EL SEGUNDO 90245 Sector:WJ
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 71714 THE BOEING COMPANY
Status: Active
MR: 0601 SIC: 3489 Team: L1
Last Inspection: 03/11/2004 On Hold: N Suspended: N TS: TS-32 Area Sources: Rule 1415 Facilities
Quarter: 1000 - inspect in 1st quarter, every year
Contact: KIMBERLY BALCERZAK (310) 4165627 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 818398
Location Address: 650 N SEPULVEDA BLVD, EL SEGUNDO 90245-3419 Sector:WJ
Inspector: AN01 ASHKAAN NIKRAVAN
Mailing Address: P.O. BOX 92919, LOS ANGELES 90009-2919 Sector:WE
Inspection Date: 03/11/2004
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
203515	D13014	12/12/1989	INACTIVE	011001	BCAT	BOILER (<5 MMBTU/HR) NAT GAS ONLY	05/31/1989	PERMIT TO OPERATE GRANTED
203516	D13015	12/12/1989	INACTIVE	011001	BCAT	BOILER (<5 MMBTU/HR) NAT GAS ONLY	05/31/1989	PERMIT TO OPERATE GRANTED
381236				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/14/2001	BANKING/ PLAN GRANTED, NON BILLABLE
480582				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	04/01/2008	BANKING/ PLAN GRANTED, NON BILLABLE
505878				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/28/2010	BANKING/ PLAN GRANTED, NON BILLABLE
532056				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/24/2012	BANKING/ PLAN GRANTED, NON BILLABLE
554937	G26244	08/13/2013	ACTIVE	043902	BCAT	I C E (>500 HP) EM ELEC GEN DIESEL	08/07/2013	PERMIT TO OPERATE GRANTED
563463				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	04/01/2014	BANKING/ PLAN GRANTED, NON BILLABLE
581535				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	01/28/2016	BANKING/ PLAN GRANTED, NON BILLABLE
601002				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	02/20/2018	BANKING/ PLAN GRANTED, NON BILLABLE
621465				666415	BCAT	RULE 1415 PLAN NOTIFICATIONS	03/04/2020	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NC C68387

Run Date : 5/19/2020 13:10:30

Company

Facility:	VERIZON WIRELESS (ID: 131953)
Location Address:	650 SEPULVEDA, BLVD EL SEGUNDO, CA 90245
Mailing Address:	15505 SAND CANYON, AVE IRVINE, CA 92710
AIRS ID	

Violation

Notice Issued Date:	6/24/2004
Violation Date:	6/24/2004
Serve To:	STEVE SANDERS
Title:	TECHNICIAN
Issue By:	HAROLD RANK (Team: I)
Assignment No.:	833201
Compliance Achieved Date:	
Equipment Description:	
Compliance Requirements:	Post copy of permit.

Disposition

Final Action Code:	
Due Date:	7/8/2004
Violation Days:	0

Rule/Comment

206

Emittent

Follow-Up

Status:	Inspector ID:	Inspection Date:	Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: lramos

SCAQMD Facility Equipment List Report

Facility: 8224 DEVLIN PHARMACEUTICALS INC Status: Out of Business MR: 0203 SIC: 28 Team:
Last Inspection: 11/01/1981 On Hold: N Suspended: TS: Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 700 N SEPULVEDA BLVD, EL SEGUNDO 90245 Sector:WJ Inspector:
Mailing Address: 700 N SEPULVEDA BLVD, EL SEGUNDO 90245 Sector:WJ Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
C09111	M05094	08/14/1978	EXPIRED	000265	BCAT	OVEN, DRYING	01/01/1900	PERMIT TO OPERATE GRANTED
C11781	M10408	05/05/1980	INACT_NR	000265	BCAT	OVEN, DRYING	01/01/1900	PERMIT TO OPERATE GRANTED
C41879				271100	BCAT	PHARMACEUTICALS BLENDING	04/06/1982	APPLICATION DENIED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

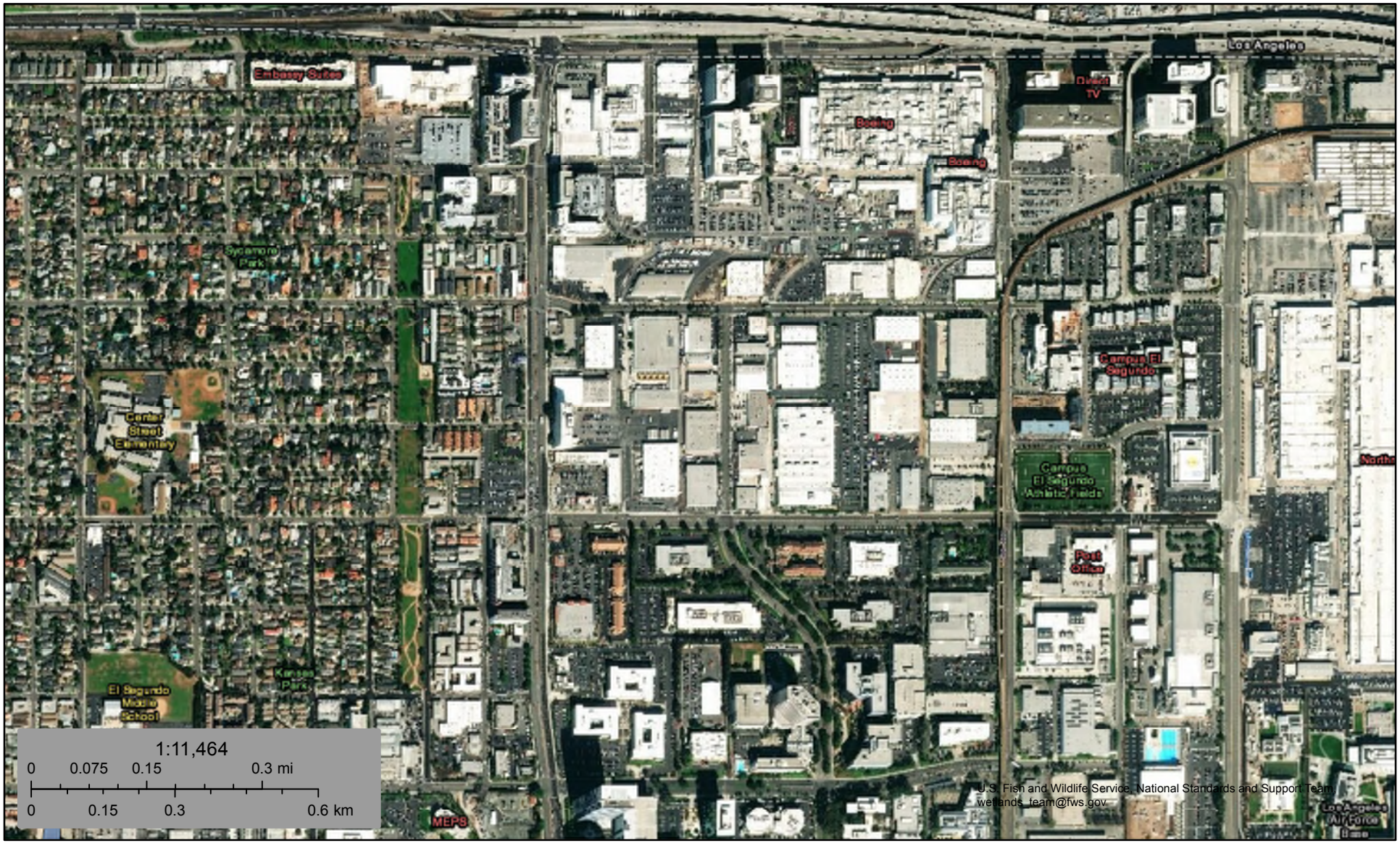
Facility: 155010 THE BOEING COMPANY
Status: Active
MR:
SIC:
Team: L1
Last Inspection:
On Hold: N
Suspended: N
TS: TS-32 Area Sources: Rule 1415 Facilities
Quarter:
Contact: GRACIELA KAWA (310) 6626309
RECLAIM: N
TITLE V: N
AIRS ID:
Assignment:
Location Address: 700 N SEPULVEDA BLVD, EL SEGUNDO 90245 Sector:WJ
Inspector:
Mailing Address: P.O. BOX 92919, LOS ANGELES 90009-2919 Sector:WE
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
480584				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	04/01/2008	BANKING/ PLAN GRANTED, NON BILLABLE
505881				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	01/28/2010	BANKING/ PLAN GRANTED, NON BILLABLE
563458				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	04/01/2014	BANKING/ PLAN GRANTED, NON BILLABLE
581533				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	01/28/2016	BANKING/ PLAN GRANTED, NON BILLABLE
601005				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	02/20/2018	BANKING/ PLAN GRANTED, NON BILLABLE
621466				666415 BCAT	RULE 1415 PLAN NOTIFICATIONS	03/04/2020	BANKING/ PLAN GRANTED, NON BILLABLE

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Mapper



May 19, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

BUILDING PERMIT

City of El Segundo
DEPARTMENT OF BUILDING & SAFETY

OK OK

Applicant: Robert T. Hall/Cleveland Wrecking
Address: 3170 E. Washington
City: Los Angeles, CA ZIP: 90023 PHONE: 269-0633

NAME: Bruce Rabin
ADDRESS: 713 Hillcrest PHONE: 272-2067
CITY: Beverly Hills, CA STATE/ZIP:

NAME: LICENSE:
ADDRESS: PHONE:
CITY: STATE/ZIP:

NAME: Western Labs. LICENSE:
ADDRESS: 13609 Normandie PHONE:
CITY: Gardena, CA STATE/ZIP:

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-21 A Lic. No./State 21064

Date 5/21/82 Contractor Cleveland Wrecking

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, California Business and Professional Code: Any City which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is a licensed contractor pursuant to the provisions of the Contractor's License Law (Ch. 9 (Commencing with Sec. 7000) of Div. 3 of the B. & P.C.) or that he is exempt therefrom and the basis of the alleged exemption. Any violation of Sec. 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.00).)

☐ I, as sole owner of the property, or my employees with wages of their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, B. & P.C.: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. _____, B. & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.)

Policy No. WX2 181 012 385-381 Company Liberty Mutual

☐ Certified copy is hereby furnished

☐ Certified copy is filed with the county building inspection department or county _____ department

Date 5/21/82 Applicant

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

This section need not be completed if the permit is for one hundred dollars ($100) or less.

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent 5-21-82 Date

WHITE (Original) YELLOW (Applicant)

BUILDING ADDRESS: 7720 N. Sepulveda Blvd.
TRACT / BLOCK/PAGE / LOT/PARCEL

CONTRACTOR
NAME: Cleveland Wrecking Company
MAILING ADDRESS: 3170 E. Washington ZIP: 90023
CITY: Los Angeles, CA TELEPHONE: 269-0633
STATE LIC. NO.: 21064 CITY LIC. NO.: X 2241

APPL. REC'D BY: K.B. DATE: 5/21/82
PC NO.: 8685 U3C EDITION:
PLANS PLOT PLAN ONLY

VALUATION OF JOB $ 12,000.00

FEES
ENERGY PLAN CHECK	$
PLAN CHECK FEE	$
BUILDING PERMIT FEE	$ 78.00
PLAN RETENTION FEE	$
TOTAL	$ 78.00 PD

CONST.
TYPE CONST.	GROUP	FIRE ZONE
USE ZONE	FRONT SETBACK	
SIDE SET BACKS	LOT SIZE FROM MAP	
REQ'D YARDS		
SPRINKLERED YES NO		
WET STANDPIPES YES NO		

PARK
SPACES REQ'D	
SPACES PROVIDED	

CONST.
USE OF BUILDING	Tank
SIZE OF CONST.	AREA OF CONST.
NO. STORIES	

DESCRIPTION OF REMARKS

Remove 8 underground tanks, fill and compact void, resurface. After the removal of the tanks, the void will be filled with clean sand compacted to 90% of ASTM Standards and supervised by Western Laboratories as stated in the attached letter of May 20, 1982.

PUBLIC WORKS

5/21/82 [illegible]

PERMIT ISSUE DATE 5/21/82

READ CONDITIONS BELOW

The work authorized by issuance of this permit is subject to all the rules and regulations set forth in the ordinances and amendments of the City of El Segundo and the laws of the State of California in regard to such work, and all amendments thereto.

This permit becomes null and void if work is not commenced within one hundred eighty (180) days from date of issuance, or if work is suspended at any time during construction for the same period of time, or if any work is done in violation of the City Ordinance or State Laws governing same.

VALIDATION

ISSUED 5/21/82

15-143280.1

PLEASE TYPE OR PRESS HARD WHEN WRITING AND USE BALLPOINT PEN ON HARD SURFACE

3873

APPLICATION NO. E 29532

EXISTING INDUSTRY
PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
SANITATION DISTRICTS OF LOS ANGELES COUNTY

PERMIT NO. 5833

~~2020 Beverly Blvd., Los Angeles, Calif. 90057~~
John D. Parkhurst, Chief Engineer and General Manager

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 WORKMAN MILL ROAD
P. O. BOX 4998
WHITTIER, CALIFORNIA 90607

El Segundo, Calif.* 10 / 03 / 77 (MO. / DAY / YR.)

APPLICATION IS HEREBY MADE BY (PRINT) COMPUTER SCIENCES CORPORATION (FIRM NAME) A

03 (Mailing Address) 650 No. Sepulveda Boulevard (STREET) C05 El Segundo, (CITY) California (STATE) 90245 (ZIP) E

07 Tenant (OWNER, TENANT, ETC.) of the property located at:

09 (Street) 650 No. Sepulveda Boulevard 11 (City) El Segundo (Zip) 90245
PRINT (ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Assessors Map Book No. 4139 Page No.* 006 Parcel No.* 038 K
(LEGAL ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

650 No. Sepulveda Boulevard, El Segundo, CA 90245
PRINT (LOCATION OF POINT OF WASTEWATER DISCHARGE TO SEWERAGE SYSTEM)

for a Permit for Industrial Wastewater Discharge to the sewerage system.

13 Type of Industry* Office Building (GENERAL DESCRIPTION) M, 17 3573 (FEDERAL SIC NOS.) G

19 Number of Employees (Full Time)* 450 (Part Time)* 0 S

21 Raw Materials Used* None (GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED) U

Products Produced None (GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

Wastewater Producing Operations Cooling tower bleed (FULL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

31 Time of Discharge - * 12:00 AM/PM to 12:00 AM/PM (24 hrs. (WORKING DAY - CROSS OUT AM OR PM) Days per Week* (M) (T) (W) (Th) (F) (Sa) Su (CIRCLE DAYS)

* Wastewater Flow Rate* 5000 - 10000 AA (Gallons Per Day) 24 hours/day

Constituents of Wastewater Discharge Total dissolved solids 3000 - 3500 PPM or 3 concentrations of makeup water PH 7.0
(GENERAL DESCRIPTION - ATTACH CHEMICAL ANALYSES RESULTS TO THIS APPLICATION)

Person in company responsible for industrial wastewater discharge:

41 M.L. ESTRIN (PRINT NAME) FAC. MGR (POSITION) 6780311 (TELEPHONE NUMBER) BB

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date Oct 3, 1977

Signature for Applicant (COMPANY ADMINISTRATIVE OFFICIAL) M. L. Estrin (NAME) Fac. Mgr. (POSITION)

Approved by City or County Official

Date 10-4-77

For Dept. of County Engineers ..... ☐

City of El Segundo ☒

Name H. Schumacher

Position Water Quality & Sanitation Supv.

Approved by Sanitation Districts of Los Angeles County

Date Oct. 21, 1977

John D. Parkhurst, Chief Engineer and General Manager

by Alfredo C. Reyes

Position Plan Eval. Engr.

Note: A permit fee may be required by the local City or County Agency.
This form when properly signed shall be a valid permit unless suspended or revoked.

COMPUTER SCIENCES CORPORATION

CORPORATE OFFICE 650 NORTH SEPULVEDA BOULEVARD, EL SEGUNDO, CALIFORNIA 90245, (213) 678-0311

February 9, 1978

Sanitation District of L.A. County
1955 Workman Mill Road
P.O. Box 4998
Whittier, California 90607

SUBJECT: PERMIT # 5815, FILE 05-00.05-00/77-5815 R

To Whom It May Concern:

Your inspector, Ralph Ferguson inspected our sewer line Permit #5815, which he found completed in accordance to plans.

One change was made. Instead of raincap, we raised the floor sink 1 1/2" above decking.

If you have any questions, please feel free to call me.

Sincerely,

Sven Jacobsen
Facilities Engineer

SJ/sr

TG 2/16/78
Glassmeyer

Prnt

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

JAMES F. STAHL
Chief Engineer and General Manager

January 15, 2002
File: 05-02-5815
Account No.: 1800591

Mr. Steve Tsumura
Environmental Safety Coordinator
City of El Segundo
350 Main St.
El Segundo, CA 90245

Dear Mr. Tsumura:

Industrial Wastewater Discharge Permit No. 5815

Computer Science Corp.
650 N. Sepulveda Blvd.
El Segundo, CA 90245

Effective immediately, Industrial Wastewater Discharge Permit No. 5815 is void for the following reason:

Exempt. This company is now *permit exempt.*

Exemption from obtaining a permit does not relieve the company of all responsibility. The company must comply with all other Districts' *Wastewater Ordinance* regulations such as keeping rainwater out of the sewer, preventing large amounts of solids or oil and grease from entering the sewer, making certain that the dissolved sulfide concentration is below 0.1 mg/ℓ and that the pH is above 6.0 at all times. In addition, the company must comply with all of your regulations which may involve obtaining a permit through your agency. Changes in the Sanitation Districts' policies or in the company's business operations may require that the company obtain an industrial wastewater discharge permit in the future.

Very truly yours,

James F. Stahl
Suzanne S. Wienke
Suzanne S. Wienke
Supervising Civil Engineer

SSW:MR:cb

Recycled Paper

IW LACSD
000000039143

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033
Telephone: (213) 226-4111

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 2418
LOS ANGELES, CALIFORNIA 90051

THOMAS A. TIDEMANSON, Director
HIAM BARMACK, Chief Deputy Director
JAMES L. EASTON, Chief Deputy Director
WYNN L. SMITH, Chief Deputy Director

IN REPLY PLEASE
REFER TO FILE:
I 10342-2N
P 9186

Attention: Mike Dzubnar

The address below was inspected for compliance with the Los Angeles County Code, Title 11, Division 4, Underground Storage of Hazardous Materials.

___Tank(s) installation ✓Tank(s) removal Fill in Place

Company Name: Hughes Aircraft

Address 700 N. Sepulveda, E.S. Tel:

Owner/ Person responsible Terry Lords 213-647-8381

Contractor Tel:

Address 999 N. Sepulveda, E.S. Room 306

Tank Store Size

Waste oil__ Gasoline__ Diesel__ Chemical__ I.W. ✓

Other Clarifier, To abandon

Single Containment___ Secondary Containment___ Monitoring System___

Secondary Piping___ Other

Date inspection was requested 10/29/85 Time requested 9 am

Date inspected 10/29/85 Time inspected 11 am

Complies ✓

Not Comply

Inspector Kim B. Dillon

IT CORPORATION

LEGALLY PRIVILEDGED INFORMATION
IT ANALYTICAL SERVICES
17605 Fabrica Way • Cerritos, California 90701 • 213-921-9831 / 714-523-9200

CERTIFICATE OF ANALYSIS

Prepared For: IT Corporation
336 W. Anaheim St.
Wilmington, CA 90744

Attn: Jess Tapia

Date: October 24, 1985

Date Received: October 16, 1985

P.O. Number: 4794

Job Number: 34714/rjc

Six (6) samples from H.A.C. Space and Communications, Project #4794.

The samples were composited as directed by the client. The composites were then analyzed for pH, sulfide, oil and grease, flash point, and cyanide, with the results reported in Table I.

Metals analyses were performed using inductively coupled argon plasma spectroscopy. Results of these analyses are reported in Table II.

The samples were analyzed for semi-volatile organic contaminants using combined gas chromatography-mass spectrometry according to EPA Methods 625. Results for compounds on the EPA Hazardous Substances List are given on the enclosed summary sheets.

Other organic contaminants found are listed in Table III.

I certify that this report truly represents the finding of work performed by me or under my direct supervision.

Byron Thomas
Chemist

Reviewed and Approved

Steve Jones, Ph.D.
Technical Director

IT Corporation
J. Tapia

October 24, 1985
JN: 34714 - Page 2

Table 1

	Comp. 1 & 2	Comp. 3 & 4	Comp. 5 & 6
pH, units	6.98	8.20	8.25
Sulfide, ppm*	6	5	8
Oil and Grease	(1) 44.7% (2) 59.7%	(3) 22mg/L (4) 22mg/L	(5) ND<20mg/L (6) 100mg/L
Flash point, °F PMCC	212+	212+	112°
Cyanide, ppm*	ND<0.3	0.5	ND <0.3

* - Approximate values only - composites were not mixed in equal proportions.

	Comp. 1 & 2	Comp. 3 & 4	Comp. 5 & 6
	mg/L		
Cobalt	0.4	<0.1	<0.1
Silver	<0.1	0.1	0.3
Arsenic	<0.2	<0.2	<0.2
Selenium	<0.1	<0.1	<0.1
Antimony	<1	<1	<1
Beryllium	<0.01	<0.01	<0.01
Cadmium	1.6	0.3	<0.1
Chromium	2.6	1.1	0.1
Copper	52	8.7	0.5
Lead	19	4.8	<1
Nickle	2.7	0.2	<0.1
Zinc	141	23.5	3.0
Thallium	<1	<1	<1
Molybdenum	0.7	0.3	<0.1
Vanadium	0.6	<0.1	<0.1
Barium	8.8	1.1	<0.1
Mercury	0.8	<0.1	<0.1

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

CONFIDENTIAL

LEGALLY PRIVILEDGED INFORMATION

Table III

Sample	Compound	Conc. (micrograms/liter)
Comp. 1 & 2	2-Methyl-propanoic acid	10,000
	Tetrachloroethylene	2,000
	Butanoic acid	100,000
	Pentanoic acid	30,000
	Hexanoic acid	90,000
	Benzeneacetic acid	2,000
	Sulfur	1,000
	Total Hydrocarbons	50,000
Comp. 3 & 4	2-Methyl propanoic acid	20,000
	Tetrachloroethylene	700
	Butanoic acid	40,000
	Pentanoic acid	30,000
	2-Methyl butanoic acid	1,000
	Hexanoic aid	20,000
	Sulfur	40,000
Comp. 5 & 6	Total Hydrocarbons	30,000
	Unknowns (2)	11,000

918 B

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
ENGINEERING SERVICES DIVISION
2250 ALCAZAR STREET
LOS ANGELES, CALIFORNIA 90033

OWNER:
NAME Bruce Rabin
ADDRESS 713 Hillcrest Rd. CITY Beverly Hills STATE CA ZIP 90210

FACILITY:
NAME Hughes Aircraft Co. SCG
SITE ADDRESS 690 N. Sepulveda Blvd. CITY El Segundo ZIP ~~90~~ 90245
MAILING ADDRESS P.O. Box 92919 S-40/T-360 CITY L.A. STATE CA ZIP 90009
CONTACT PERSON T.E. Lords TITLE Environmental Engineer PHONE (213) 647-8381

CLOSURE REQUESTED:
☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE _____
DATE OPERATION WILL RESUME _____
☐ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION _____
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☒ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
	~~Oil/Grease~~ Concrete	15 years	1,000 gal	Oil & Grease, Sulfides, Organic Acids, Copper, Zinc

	YES	NO
HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE?	☐	☐ Unknown
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS?	☐	☐ Unknown
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE?	☐	☒
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED?	☐	☒

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE T.E. Lords DATE 10/25/85
OWNER ☐ OPERATOR ☒ CONTRACTOR
STATE LICENSE NO. _____

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED $ 38.00
PERMIT NO 918B
FILE NO 1034-2 R/C 2N

DATE 11-6-85
TO ARRANGE FOR AN INSPECTION, TELEPHONE 523-4862 (8-9AM)

Bill Chauncey
Don Tallman

15-143280-1
MICROFILMED 141

APPLICATION FOR BUILDING PERMIT

City of El Segundo

DEPT. OF BUILDING & SAFETY

1

STREET ADDRESS OF JOB 650 N. Sepulveda Blvd.

DEPT. USE ONLY

PLANS REC'D BY [illegible] DATE

CHECKED BY 1080 [illegible] DATE 4-17-61

PLANS ON FILE ✓ PLAN ON BACK NO PLANS

APPLICATION APPROVED BY [illegible] DATE 4-17-61

ISSUED BY [illegible] DATE 4-17-61

VALUATION $ 1,500,000.

Plan Check Fee $ 405.00

Building Permit Fee $ 810.00

TOTAL $ 1215.00

TYPE CONST. I GROUP F DIV.

FIRE ZONE 3 USE ZONE M-1

OCCUP. LOAD 746 NO. EXITS 2

FLOOR LOADS 1ST 2ND OTHER

SPRINKLERED YES ☐ NO ☐

DRAFT STOPS YES ☐ NO ☐

WET STANDPIPES YES ☐ NO ☐

SEWER LOCATION

ENGINEERING — Curb Crossing O.K. ☑

Inundated Yes ☐ No ☑

Elevation O.K. ☑

PARKING — Spaces Req'd 218

Spaces Provided 218

Parking on premises ✓ or PAVED

INSPECTION RECORD

Lath & F Coat 4-10-61

APPROVALS	DATE	INSPECTOR
EXCAVATION	4.21.61	B...
SUB FLOOR		
FRAMING		
ROOFING		
LATH, EXTERIOR		
LATH, INTERIOR		
PLASTER		
STUCCO		
DRYWALL		
STEEL		
WALL		
BOND BEAM		
PANELS		
RETAINING WALL		
MASONRY		
FENCE		
FINAL	[illegible]	

CERTIFICATE OF OCCUPANCY NO. Date

FOR APPLICANT TO FILL IN

LEGAL DESCRIPTION LOT See attached

BLOCK TRACT

DESCRIPTION OF WORK 7 story Office Bldg. and Rooftop Helistop.

USE OF BUILDING General Offices

OWNER AEROSPACE CENTER

OWNERS ADDRESS 650 N. Sepulveda

El Segundo PHONE OR.8 4865

ARCHITECT Daniel L. Dworsky

STATE LICENSE NO. PHONE

ENGINEER Ted Jaen

STATE LICENSE NO. PHONE

CONTRACTOR Contracting Engineers Co.

CONTRACTORS ADDRESS 2310 W. Vernon LA 8

PHONE Ax 4 8181

CITY LICENSE NO. STATE LICENSE NO.

VALUATION OF JOB $ 1,500,000.00

AREA OF BLDG. SIZE OF BLDG. 64 x 238

NO. STORIES 7 SIZE OF LOT 238.54x418.8

FRONT SET BACK 51 SIDE SET BACKS 0

WALLS

FENCE ☐ RETAINING ☑ COMBINATION ☐

MATERIAL Concrete

PLAN SUBMITTED ✓ CITY SPECIFICATIONS

SHOW LOCATION, SIZE & HEIGHT ON BACK

SURVEY TO BE PROVIDED IF REQUIRED YES

CONTINUOUS INSPECTION REQUIRED ON THE CONCRETE, BRICK, WELDING YES ☑ NO ☐

REMARKS

Attention is particularly called to the cutting up of streets, making main sewer connections, driveways and curbs. Permit for such construction to be obtained from city engineer's office.

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING.

I HEREBY CERTIFY THAT I AM PROPERLY LICENSED AS REQUIRED BY THE CITY OF EL SEGUNDO AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED PROPERTY.

SIGNATURE OF PERMITTEE [illegible]

DATE 4-17-61

APP 136 VALIDATION 134472 4-17-61 40.00

APP 137 [illegible]

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification
Name: El Segundo
Street: 650 Sepulveda Boulevard
City: El Segundo County: Los Angeles State: CA Zip: 90245
SIC Code: 4812 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: Verizon Wireless Phone: 908-607-8133
Mail Address: 30 Independence Blvd., Warren, NJ 07059

Emergency Contact
Name: Melinda Hsu Title: Specialist - Regulatory
Phone: 949-286-8713 24 Hr. Phone: 800-852-2671

Name: Colleen Casey Title: Associate Director
Phone: 908-607-8133 24 Hr. Phone: 908-488-7900

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 20 03

[ ] Check if information below is identical to the information submitted last year.

Chemical Description

Physical and Health Hazards *(check all that apply)*

Inventory

Container Type / Pressure / Temperature

Storage Codes and Locations (Non-Confidential)

Storage Locations

Optional

Entry 1

CAS: 7664-93-9 Trade Secret: [ ]
Chem. Name: Sulfuric acid
Check all that apply: [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
EHS Name:

Physical and Health Hazards:
[x] Fire
[ ] Sudden Release of Pressure
[x] Reactivity
[x] Immediate (acute)
[x] Delayed (chronic)

Inventory:
Max. Daily Amount (code): 0 2
Avg. Daily Amount (code): 0 2
No. of Days On-site (days): 3 6 5

Container Type / Pressure / Temperature: R | 1 | 4

Storage Codes and Locations (Non-Confidential): In batteries in Battery Room

Optional: [ ]

Entry 2

CAS: Trade Secret: [ ]
Chem. Name:
Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS
EHS Name:

Physical and Health Hazards:
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactivity
[ ] Immediate (acute)
[ ] Delayed (chronic)

Inventory:
Max. Daily Amount (code):
Avg. Daily Amount (code):
No. of Days On-site (days):

Optional: [ ]

Entry 3

CAS: Trade Secret: [ ]
Chem. Name:
Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS
EHS Name:

Physical and Health Hazards:
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactivity
[ ] Immediate (acute)
[ ] Delayed (chronic)

Inventory:
Max. Daily Amount (code):
Avg. Daily Amount (code):
No. of Days On-site (days):

Optional: [ ]

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 1, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Colleen F. Casey, Associate Director
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed 1/7/05

Optional Attachments
[ ] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations
[ ] I have attached a description of dikes and other safeguards measures

Form Approved OMB No. 2050-0072

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification
Name: El Segundo
Street: 650 Sepulveda Boulevard
City: El Segundo County: Los Angeles State: CA Zip: 90245
SIC Code: 4812 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: Verizon Wireless Phone: 908-607-8133
Mail Address: 30 Independence Blvd., Warren, NJ 07059

Emergency Contact
Name: Melinda Hsu Title: Specialist - Regulatory
Phone: 949-286-8713 24 Hr. Phone: 800-852-2671

Name: Colleen Casey Title: Associate Director
Phone: 908-607-8133 24 Hr. Phone: 908-488-7900

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 20 02

[ ] Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type / Pressure / Temperature	Storage Codes and Locations (Non-Confidential) — Storage Locations	Optional
CAS 7664-93-9 Trade Secret [ ] Chem. Name Sulfuric acid Check all that apply: [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS EHS Name	[x] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] Delayed (chronic)	Max. Daily Amount (code): 02 Avg. Daily Amount (code): 02 No. of Days On-site (days): 179	R / 1 / 4	In batteries in Battery Room	[ ]
CAS Trade Secret [ ] Chem. Name Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS EHS Name	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)	Max. Daily Amount (code): Avg. Daily Amount (code): No. of Days On-site (days):			[ ]
CAS Trade Secret [ ] Chem. Name Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS EHS Name	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [ ] Delayed (chronic)	Max. Daily Amount (code): Avg. Daily Amount (code): No. of Days On-site (days):			[ ]

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 1 and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Colleen F. Casey, Associate Director
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Optional Attachments
[ ] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations
[ ] I have attached a description of dikes and other safeguards measures

Form Approved OMB No. 2050-0072

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification
Name: El Segundo
Street: 650 Sepulveda Boulevard
City: El Segundo County: Los Angeles State: CA Zip: 90245
SIC Code: 4812 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: Verizon Wireless Phone: 908-607-8133
Mail Address: 30 Independence Blvd., Warren, NJ 07059

Emergency Contact
Name: Melinda Hsu Title: Specialist - Regulatory
Phone: 949-286-8713 24 Hr. Phone: 800-852-2671
Name: Colleen Casey Title: Associate Director
Phone: 908-607-8133 24 Hr. Phone: 908-488-7900

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 20 04

[ ] Check if information below is identical to the information submitted last year.

Chemical Description

Physical and Health Hazards *(check all that apply)*

Inventory

Container Type / Pressure / Temperature

Storage Codes and Locations (Non-Confidential)

Storage Locations

Optional

Chemical 1

CAS: 7664-93-9 Trade Secret: [ ]
Chem. Name: Sulfuric acid
Check all that apply: [ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
EHS Name:

Physical and Health Hazards:
[x] Fire
[ ] Sudden Release of Pressure
[x] Reactivity
[x] Immediate (acute)
[x] Delayed (chronic)

Inventory:
Max. Daily Amount (code): 0 2
Avg. Daily Amount (code): 0 2
No. of Days On-site (days): 3 6 5

Container Type / Pressure / Temperature: R 1 4

Storage Codes and Locations: In batteries in Battery Room

Optional: [ ]

Chemical 2

CAS: Trade Secret: [ ]
Chem. Name:
Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS
EHS Name:

Physical and Health Hazards:
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactivity
[ ] Immediate (acute)
[ ] Delayed (chronic)

Inventory:
Max. Daily Amount (code):
Avg. Daily Amount (code):
No. of Days On-site (days):

Optional: [ ]

Chemical 3

CAS: Trade Secret: [ ]
Chem. Name:
Check all that apply: [ ] Pure [ ] Mix [ ] Solid [ ] Liquid [ ] Gas [ ] EHS
EHS Name:

Physical and Health Hazards:
[ ] Fire
[ ] Sudden Release of Pressure
[ ] Reactivity
[ ] Immediate (acute)
[ ] Delayed (chronic)

Inventory:
Max. Daily Amount (code):
Avg. Daily Amount (code):
No. of Days On-site (days):

Optional: [ ]

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 1, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Colleen F. Casey, Associate Director
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed 1/7/05

Optional Attachments
[ ] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations
[ ] I have attached a description of dikes and other safeguards measures

From the desk of **Bill Jones**, Chief
Health Hazardous Materials Division
Email: Bjones@lacofd.org
Phone: (323) 890-4042
FAX: (323) 838-4412

Date: 1.24.05 Due Date: ☐ Rush

- ☐ Deputy Fire Chief Prevention Bureau
- ☐ Manager Administration/Planning
- ☐ Manager Emergency Operations
- ☐ Manager Inspections
- ☐ Manager Special Operations
- ☐ Admin. Assistant
- ☐ Senior Secretary
- ☑ Steve Tsumura

☐ Prepare letter/report for: _____

- ☐ FAX
- ☐ For your file
- ☐ For your signature
- ☐ Note & return
- ☐ Please edit
- ☐ Approval
- ☑ Nec Action
- ☐ FYI
- ☐ Review & Comment
- ☐ Discuss with me
- ☐ As discussed/requested

Remarks:

Steve, I'm sure you got this... but just in case. Hope all is well.

b.

H:\USERS\BJones\FORMS\Copy of From the desk of Bill Jones.doc

verizonwireless

Verizon Wireless
30 Independence Blvd.
Warren, NJ 07059

01/13/2005

650 S
Sep.
Verizon

TO:

Los Angeles County Fire , Attn: EPCRA Repor
Chief, HHMD 5825 Rickenbacker Road
Commerce, CA 90040

El Segundo Fire Department , Attn: Fire Chief
314 Main Street
El Segundo, CA 90245

RE: Verizon Wireless
EPCRA Reporting

Dear Madam or Sir,

Pursuant to Federal Emergency Planning Community Right-to-Know Act (EPCRA), Sections 311 and 312, the USEPA regulations at 40 CFR Parts 355 and 370 implementing EPCRA, and corresponding state and local requirements, please find enclosed the hazardous chemical identification and inventory documentation for the following facility:

El Segundo

Should you have any questions, please contact me at 908-607-8133.

Very truly yours,

Colleen F Casey

Colleen F. Casey
Associate Director, Compliance

Enclosures

RECEIVED
JAN 18 2005
EL SEGUNDO
FIRE DEPARTMENT

Verizon Wireless
15505 Sand Canyon Avenue
Irvine, CA 92618-3114

February 23, 2004

Environmental Safety Division
El Segundo Fire Department
314 Main Street
El Segundo, CA 90245
Attention: Diane Wride

Reference: Chemical Disclosure Inventory for Verizon Wireless
650 S. Sepulveda Boulevard, El Segundo

To Whom It May Concern:

This is to certify that the information contained in the annual inventory form submitted March 1, 2003 to the El Segundo Fire Department is complete, accurate and up to date. Further, there has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory form, and all chemicals handled in excess of 55 gallons, 200 cubic feet and 500 pounds have been included.

Please contact me at (949) 286-8713 if you have any questions or require further information.

Sincerely,

Melinda Hsu
Specialist – Regulatory

RECEIVED
FEB 25 2004
EL SEGUNDO
FIRE DEPARTMENT

ESD-39
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ☒ REVISE 200 Page 3 of 4

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3
Verizon Wireless (Site: El Segundo)

CHEMICAL LOCATION 201
Inside equipment room

CHEMICAL LOCATION CONFIDENTIAL EPCRA 202
☐ YES ☒ NO

FACILITY ID # 1 9 [ ] 0 1 3 [ ] 3 0 0 0 0 7 1

MAP# (optional) 203
Facility Plan

GRID# (optional) 204
H-24

II. CHEMICAL INFORMATION

CHEMICAL NAME 205

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Battery Electrolyte

EHS* ☐ Yes ☐ No 208

CAS# 209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210

HAZARDOUS MATERIAL TYPE (Check one item only) ☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES N/A 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 8.75 215

FED HAZARD CATEGORIES (Check all that apply) ☐ a. FIRE ☒ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
153	153	N/A	N/A

UNITS* (Check one item only) ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 365 222

STORAGE CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☒ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON 223

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 30 226	Sulfuric Acid 227	☒ Yes ☐ No 228	7664-93-9 229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

RECEIVED
MAR 03 2003
EL SEGUNDO
FIRE DEPARTMENT

If EPCRA, Please Sign Here

ESD-39
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION

(one page per material per building or area)

☒ ADD ☐ DELETE ☐ REVISE 200 | Page 4 of 4

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3
Verizon Wireless (Site: El Segundo)

CHEMICAL LOCATION 201
North of equipment building

CHEMICAL LOCATION CONFIDENTIAL EPCRA 202
☐ YES ☒ NO

FACILITY ID # 1 9 [ ] 0 1 3 [ ] 3 0 0 0 0 7 1

MAP# (optional) 203
Site Plan

GRID# (optional) 204
G-14

II. CHEMICAL INFORMATION

CHEMICAL NAME 205
Diesel Fuel

TRADE SECRET ☐ Yes ☒ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME 207
Diesel Fuel

EHS* ☐ Yes ☒ No 208

CAS# 209
68334-30-5

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (Complete if required by CUPA) 210
Flammable Liquid (Class 2)

HAZARDOUS MATERIAL TYPE (Check one item only) ☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ☒ No 212

CURIES N/A 213

PHYSICAL STATE (Check one item only) ☐ a. SOLID ☒ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER 120 215

FED HAZARD CATEGORIES (Check all that apply) ☒ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☒ d. ACUTE HEALTH ☒ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217	MAXIMUM DAILY AMOUNT 218	ANNUAL WASTE AMOUNT 219	STATE WASTE CODE 220
120	120	N/A	N/A

UNITS* (Check one item only) ☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 221
* If EHS, amount must be in pounds.

DAYS ON SITE: 365 222

STORAGE CONTAINER 223
☒ a. ABOVE GROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ☐ r. OTHER

STORAGE PRESSURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 226	227	☐ Yes ☐ No 228	229
2 230	231	☐ Yes ☐ No 232	233
3 234	235	☐ Yes ☐ No 236	237
4 238	239	☐ Yes ☐ No 240	241
5 242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION 246

If EPCRA, Please Sign Here

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

February 28, 2003

James Carver
El Segundo Fire Department
Hazardous Materials Division
314 Main Street
El Segundo, CA. 90245

Subject: Electronic Submittal of Chemical Inventory and Updated Business Plan for 2003

BOEING

Dear Mr. Carver,

I am submitting a complete up to date copy of the El Segundo Hazardous Material Business Plan for your records, and twenty-one 3 1/2 – inch floppy discs with the appropriate chemical inventory data.

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-0809.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S70/712
Los Angeles, CA 90009

Fax: (310) 416-0850

RECEIVED
FEB 28 2003
EL SEGUNDO
FIRE DEPARTMENT

ESD – 251
05/01

El Segundo Fire Department
Environmental Safety Division
314 Main Street
El Segundo, CA 90245
(310) 524-2395

Business Plan/Chemical Inventory Inspection Report

Facility Address: 650 N. Sepulveda Bl. (S-32)

Business Name: Boeing Satellite Sys. Inspection Date: 10/15/02

Site Contact: Abel Ramirez Telephone: 310/416-5288

Contact Signature: A. Ramirez Permitting Consent to Inspect

The following violations have been identified and must be corrected within 30 days to prevent further enforcement actions:

☐ Business Plan/Chemical Inventory not submitted to ESFD (H&SC § 25503.5)
To Correct: _____

☐ Annual/updated chemical inventory not submitted to ESFD (H&SC § 25505)
To Correct: _____

☐ Employee training records incomplete/missing (CCR T-19 § 2732)
To Correct: _____

☐ Unauthorized release of hazardous materials (UFC § 7901.7.1; 8001.5.1)
To Correct: _____

☐ Chemical release not reported to ESFD and CAOES Warning Center (H&SC § 25507)
To Correct: _____

☐ Chemical storage and use areas not identified by signs (UFC § 7901.9; 8001.7)
To Correct: _____

☐ No Violations

Inspected By: James J. Carver (Print Name) _____ (Signature)

Report Received By: A. Romweaz (Print Name) A. Ramirez (Signature)

Original - Fire Department Yellow - Site Copy/Initial Inspection

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

February 28, 2001

James Carver
El Segundo Fire Department
Hazardous Materials Division
314 Main Street
El Segundo, CA. 90245

Subject: Electronic Submittal of Chemical Inventory and Updated Business Plan for 2001

BOEING

Dear Mr. Carver,

In response to the Notice to Comply issued on November 20, 2000 for Buildings S10, S47, S48, and S49 and the Notice to Comply issued on December 23, 2000 for Building S30, we have updated and transferred our chemical inventory to the electronic format you requested. In addition, I am submitting a complete up to date copy of the El Segundo Hazardous Material Business Plan for your records.

This includes twenty 3 1/2 – inch floppy discs with the appropriate chemical inventory data.

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-4426.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S41/A320
Los Angeles, CA 90009

Fax: (310) 416-2211

RECEIVED
MAR - 1 2001
EL SEGUNDO
FIRE DEPT.

February 29, 2000

RECEIVED
MAR - 1 2000
EL SEGUNDO
FIRE DEPT.

HUGHES
SPACE & COMMUNICATIONS

Mr. James Carver
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: Hughes Space and Communications Company, Business Plan Update

Dear Mr. Carver,

Attached is the 2000 update to Hughes Space and Communications Company's El Segundo Business Plan. Included in this submittal are the following items:

1. Completed Business Owner/Operator Identification form and updated responses to questions from the 1999 Business Plan submittal;
2. Completed Business Activity form;
3. Completed Recyclable Materials Report forms, pages 1 & 2;
4. "Floppy Disk" with complete HSC hazardous materials inventory for El Segundo sites.

If you have any questions regarding these materials, please call me at (310) 416-5291.

Sincerely,

Hughes Space and Communications Company

Duke Woodrick
SHEA Fire Prevention
Safety, Health and Environmental Affairs

Mailing Address P.O. Box 92919, Bldg. S9/F331
Los Angeles, CA 90009

Enclosures

Hughes Space and Communications Company
P.O. Box 92919
Los Angeles, CA 90009

km\c\data\cmrtk\bp99\1cvrltr.doc
990015

The Boeing Company
2401 E. Wardlow Road
Long Beach, CA 90807-5309
(562) 593-5511

March 11, 2002
A&MSC-PAD-RBF-02-050

State Emergency Response Commission
PO Box 419047
Rancho Cordova, CA 95741-9047

RECEIVED
MAR 19 2002
EL SEGUNDO
FIRE DEPARTMENT

BOEING

Attention: Hazardous Materials Unit

Subject: MSDS Submittal

The hazardous material (Sodium Bisulfite) referenced by the enclosed Material Safety Data Sheet has recently been stored in quantities exceeding 10,000 lbs. at the Boeing Co. site located at 2401 E. Wardlow Road, Long Beach, CA 90807. This submittal is made in accordance with requirements set forth in 40 CFR 370.21. This material is used solely as a treatment chemical in our industrial wastewater pretreatment unit. This MSDS has also been sent to the Region 1 Local Emergency Planning Committee.

Please contact the undersigned at 562-593-3836 with any questions/comments.

Very truly yours,

Ron Fornator

Ron Fornator
Environmental Scientist
Environmental Affairs

CC: Region 1 Local Emergency Planning Committee
~~11200 Lexington Dr.~~ EL SEGUNDO FIRE DEPT
~~Bldg. 283~~ 319 MAIN ST.
~~Los Alamitos, CA 90720-5002~~ EL SEGUNDO, CA 90245

Enclosures: (1) Nalco Chemical Co. Material Safety Data Sheet for 7408 Chlorine Scavenger.

rbf 03/11/02
Microsoft Word/02-050

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

Diane:
Please include in Boeing file.
-Steve T.

RECEIVED
OCT 19 2001
EL SEGUNDO
FIRE DEPT.

Suzanne Wienke
1955 Workman Mill Road
Whittier, CA 90601-4998

October 11, 2001

Re: Wastewater Permit Applications for Boeing Satellite Systems, Inc., El Segundo, California

BOEING

Dear Ms. Wienke:

Per my telephone conversation with Alicia Jauregi, attached are permit applications for Boeing Satellite Systems, Inc., industrial wastewater discharge locations in El Segundo. These applications were previously submitted to the County Sanitation Districts of Los Angeles County (CSDLAC) to provide notification of a name change from Hughes Space and Communications Company to Boeing Satellite Systems, Inc.

Following an evaluation by CSDLAC staff, we were notified that this change was considered an ownership change and that our applications were deficient because they did not include a signature from the City of El Segundo. The attached applications, which are copies of the originals that were retained by CSDLAC staff, have been reviewed and approved by El Segundo representative Steve Tsumura and contain his original signature. I am also enclosing copies of our temporary permits assigned by Inspector Marcos Rams for reference.

Please note, wastewater generating processes at Boeing Satellite Systems, Inc., facilities remain unchanged from the former Hughes Space and Communications Company.

Please call me with any questions you might have at (310) 416-9394.

Sincerely,

Jerrod Newlander

Jerrod Newlander
SHEA Specialist
Boeing Satellite Systems, Inc.

Mailing Address: P.O. Box 92919 W/S41/A320
Los Angeles, CA 90009

Certified Mail: JN0069
cc: Steve Tsumura w/o attachments

CERTIFIED UNIFIED PROGRAM AGENCY

El Segundo Fire Department

314 Main Street, El Segundo, CA 90245

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

PERMIT

Permit Number: 30-0158

BOEING SATELLITE SYSTEMS, INC.
ANU B. GARG, M/S: SC/S-41/A320
P. O. BOX 92919
LOS ANGELES CA 90009-2919

Facility Operator, Name, and Address

Boeing Satellite Systems, Inc.
Boeing Satellite Systems, Inc.
650 N. Sepulveda Bl. Bldg. S-37
El Segundo, CA 90245

Business is permitted in the following CUPA Programs:

- ☑ Hazardous Material Business Plan
- ☐ California Accidental Release Plan (CalARP)/Accidental Release Plan (ARP)
- ☑ Hazardous Waste Generator.
- ☐ Hazardous Waste Treatment on site
- ☐ Storage of hazardous materials in underground tanks.
- ☐ Uniform Fire Code Activities requiring permit.
- ☐ Industrial Wastewater Pretreatment Permit

☐ New ☑ Annual ☐ Other ☐ Renewal

CERTIFICATION

This permit is issued based on the condition that the applicant and the facility is in compliance with all applicable rules, regulations and laws pertaining to these permitted programs. Failure to comply with all applicable codes and regulations will null and void this permit. See attached conditions of approval for each CUPA Program.

Signature _____ Title Environmental Safety Manager

Printed name Steve Tsumura Date Issued 10/01/2003

Expiration Date 09/30/2004

PERMIT CONDITIONS

Permit No: 30-0158 Facility: Boeing Satellite Systems, Inc.

In order to maintain the operating permit, the permit holder must comply with all regulatory requirements, to include, but not all inclusive of the number items below:

* Hazardous Materials Business Plan Program, CHSC Division 20, Chapter 6.95, Article 1 and Title 19 CCR.
  1. Changes in the hazardous materials inventory which include the handling of a previously undisclosed or handling double the amount of a previously disclosed hazardous material must be reported to the CUPA or Participating Agency (PA) within thirty (30) days.
  2. Major changes in the business plan, including the change of name or phone number of 24 hour emergency contacts, must be reported to the CUPA or PA within thirty (30) days.

* Hazardous Waste Generator Program: CHSC Division 20, Chapter 6.5 Articles 1-13, Section 25100 et seq., and Title 22 CCR Chapter 20.

CERTIFIED UNIFIED PROGRAM AGENCY

El Segundo Fire Department

314 Main Street, El Segundo, CA 90245

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

PERMIT

Permit Number: 30-0007

VERIZON WIRELESS
MELINDA HSU
15505 SAND CANYON AVE., BUILDING D
IRVINE CA 92618-3114

Facility Operator, Name, and Address

Verizon Wireless
Verizon Wireless
650 S. Sepulveda Bl.
El Segundo, CA 90245

Business is permitted in the following CUPA Programs:

- ☑ Hazardous Material Business Plan
- ☐ California Accidental Release Plan (CalARP)/Accidental Release Plan (ARP)
- ☐ Hazardous Waste Generator.
- ☐ Hazardous Waste Treatment on site
- ☐ Storage of hazardous materials in underground tanks.
- ☐ Uniform Fire Code Activities requiring permit.
- ☐ Industrial Wastewater Pretreatment Permit

☐ New ☑ Annual ☐ Other ☐ Renewal

CERTIFICATION

This permit is issued based on the condition that the applicant and the facility is in compliance with all applicable rules, regulations and laws pertaining to these permitted programs. Failure to comply with all applicable codes and regulations will null and void this permit. See attached conditions of approval for each CUPA Program.

Signature Steve Tsumura Title Environmental Safety Manager

Printed name Steve Tsumura Date Issued 09/30/2003

Expiration Date 10/01/2004

PERMIT CONDITIONS

Permit No: 30-0007 Facility: Verizon Wireless

In order to maintain the operating permit, the permit holder must comply with all regulatory requirements, to include, but not all inclusive of the number items below:

* Hazardous Materials Business Plan Program, CHSC Division 20, Chapter 6.95, Article 1 and Title 19 CCR.
  1. Changes in the hazardous materials inventory which include the handling of a previously undisclosed or handling double the amount of a previously disclosed hazardous material must be reported to the CUPA or Participating Agency (PA) within thirty (30) days.
  2. Major changes in the business plan, including the change of name or phone number of 24 hour emergency contacts, must be reported to the CUPA or PA within thirty (30) days.

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	9		0	1	3		3	0	0	0	0	7	1	EPA ID # (Hazardous Waste Only)

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Verizon Wireless (Site: El Segundo)

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility…		If Yes, please complete these pages of the UPCF….
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☐ YES ☒ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

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MAR 03 2003
EL SEGUNDO
FIRE DEPARTMENT

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Boeing Satellite Systems, Inc.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility…	If Yes, please complete these pages of the UPCF….	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	✔ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		UST FACILITY (Formerly SWRCB Form A)
1. Own or operate underground storage tanks?	☐ YES ✔ NO 5	UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ✔ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ✔ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	✔ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	✔ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	✔ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☐ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ✔ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ✔ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ✔ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s

Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272;
Bldg. S15, 920 E. Imperial Hwy., CAD060897063;
Bldg. S4, 2240 E Imperial Hwy., CAL000068679;
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

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MAR - 1 2001

EL SEGUNDO
FIRE DEPT.

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

October 19, 2000

El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA. 90245

RECEIVED
OCT 27 2000
EL SEGUNDO
FIRE DEPT.

Attn.: James Carver

BOEING

Subject: Company Business Name Change

Dear Mr. Carver,

Effective October 7, 2000, the business formerly known has Hughes Space and Communications Company, has undergone a name change. The Company will now be known as Boeing Satellite Systems, Inc.

Please note the name change will affect the following:

1. El Segundo Hazardous Material Business Plan (an updated Business Plan without appendices is attached)
2. Uniform Fire Permits City of El Segundo
3. The El Segundo Hazardous Waste/Hazardous Material "CUPA" Permits

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-4426.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S41/A320
Los Angeles, CA 90009

Fax: (310) 416-2211

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	9		0	1	3									1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Boeing, Satellite Systems, Inc.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF....
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion - one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☒ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (see per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1222)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1199)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)
E. LOCAL REQUIREMENTS		15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s: Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272
Bldg. S4, 2240 E. Imperial Hwy., CAL000068679
Bldg. S15, 920 E. Imperial Hwy., CAD060897063
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	9		0	1	3									1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3
Hughes Space and Communications Company

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF....	
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☒ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s: Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272
Bldg. S4, 2240 E. Imperial Hwy., CAL000068679
Bldg. S15, 920 E. Imperial Hwy., CAD060897063
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

CERTIFIED UNIFIED PROGRAM AGENCY

El Segundo Fire Department

314 Main Street, El Segundo, CA 90245

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

PERMIT

Permit Number: 30-0007

Mailing Address

VERIZON WIRELESS
MELINDA HSU
15505 SAND CANYON AVE., BUILDING D
IRVINE CA 92618-3114

Facility Operator, Name, and Address

Verizon Wireless
Verizon Wireless
650 S. Sepulveda Bl.
El Segundo, CA 90245

Business is permitted in the following CUPA Programs:

- ☑ Hazardous Material Business Plan
- ☐ California Accidental Release Plan (CalARP)/Accidental Release Plan (ARP)
- ☐ Hazardous Waste Generator.
- ☐ Hazardous Waste Treatment on site
- ☐ Storage of hazardous materials in underground tanks.
- ☐ Uniform Fire Code Activities requiring permit.
- ☐ Industrial Wastewater Pretreatment Permit

☐ New ☑ Annual ☐ Other ☐ Renewal

CERTIFICATION

This permit is issued based on the condition that the applicant and the facility is in compliance with all applicable rules, regulations and laws pertaining to these permitted programs. Failure to comply with all applicable codes and regulations will null and void this permit. See attached conditions of approval for each CUPA Program.

Signature _____ Title Environmental Safety Manager

Printed name Steve Tsumura Date Issued 09/30/2004

Expiration Date 10/01/2005

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	EPA ID # (Hazardous Waste Only)
30-0006	N/A

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Verizon Wireless (Site: Terminal)

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF....
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☑ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☑ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☑ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☑ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☑ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☐ YES ☑ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☑ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☑ NO 11	ONSITE HAZARDOUS WASTE TREATMENT– FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☑ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☑ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☑ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

verizonwireless

June 11, 2001

Verizon Wireless
15505 Sand Canyon Avenue
Irvine, CA 92618-3114

CERTIFIED MAIL

RECEIVED

JUN 14 2001

EL SEGUNDO
FIRE DEPT.

James Carver
El Segundo Fire Department
314 Main Street
El Segundo, CA 90245

Dear Mr. Carver:

This letter is being sent as a follow-up to our conversations about the Verizon Wireless facilities within the City of El Segundo. Our chemical inventories and business emergency plans have previously been filed under our former company name, AirTouch Cellular. As a result of the merger between Vodafone AirTouch and Bell Atlantic, our new operating name is Verizon Wireless. In California, our legal name is as follows:

Los Angeles SMSA Limited Partnership
dba Verizon Wireless
by AirTouch Cellular, a California Corporation, its General Partner.

Enclosed please find updated chemical inventory forms and business emergency plans for the following facilities:

Verizon Wireless (Site: El Segundo)
650 S. Sepulveda Boulevard
El Segundo, CA 90245

Verizon Wireless (Site: Terminal)
1302 E. Imperial Avenue
El Segundo, CA 90245

Our corporate offices have moved to a new building complex in the City of Irvine. Please send all invoices and other correspondence to the following address:

Verizon Wireless
15505 Sand Canyon Avenue, Building D
Irvine, CA 92618
Attn: Melinda Hsu, Network

If you have any questions or require additional information, please contact me at (949) 286-8713. Thank you for your assistance.

Sincerely,

Melinda Hsu
Regulatory Analyst

Enclosures

UNIFIED PROGRAM (UP) FORM

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #					3	0		0	0	0	7				1	EPA ID # (Hazardous Waste Only) 2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Verizon Wireless (Site: El Segundo)

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JUN 14 2001
EL SEGUNDO FIRE DEPT.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...	If Yes, please complete these pages of the UPCF....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	✓ HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION ✓ CONSOLIDATED CONTINGENCY PLAN (Section I and Site Map(s)) ✓ TRAINING PLAN
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	✓UST FACILITY ✓UST TANK (one page per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	✓UST FACILITY ✓UST TANK (one per tank) ✓UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO 7	✓UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☐ YES ☒ NO 9	✓ EPA ID NUMBER – provide at the top of this page. ✓ As a generator, answer YES to Item E2b and complete Waste Generator Form.
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	✓ RECYCLABLE MATERIALS REPORT
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	✓ ONSITE HAZARDOUS WASTE TREATMENT – FACILITY ✓ ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	✓ CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	✓ REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐YES ☒ NO 14	✓ HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
E. LOCAL REQUIREMENTS 15		
1. REGULATED SUBSTANCES		
Have Regulated Substances (RS) including Extremely Hazardous Substances (EHS) stored on site at greater than the threshold planning quantities established by the California Accidental Release Program (Cal ARP) ?	☐YES ☒ NO 15a	In addition to Hazardous Materials requirements, complete: ✓ Regulated Substance Registration ✓ Risk Management Plan (when required)
2. OTHER REQUIREMENTS		
a. Have hazardous materials stored on site at or above a threshold amount established by a CUPA's or PA's local ordinance?	☒YES ☐ NO 15b	✓ Consult local CUPA or PA for added reporting requirements.
b. Required by a CUPA or PA to provide other information?	☐YES ☒ NO 15c	✓ Waste Generator Form (LA County)

OFFICIAL USE ONLY	UP Form	HW	HM	ARP	AST	UST	TP	CUPA	PA

AIRTOUCH™
Cellular

AirTouch Cellular
3 Park Plaza
P.O. Box 19707
Irvine, CA 92623-9707

RECEIVED

MAY 17 1999

EL SEGUNDO
FIRE DEPT.

May 14, 1999

CERTIFIED MAIL

Steve Tsumura
Environmental Safety Coordinator
El Segundo Fire Department
314 Main Street
El Segundo, CA 90245

Dear Mr. Tsumura:

Enclosed please find updated chemical inventory forms and business emergency plans for two existing AirTouch Cellular communications facilities within the jurisdiction of the City of El Segundo. The sites are located at:

✓AirTouch Cellular (Site: El Segundo)
650 S. Sepulveda Boulevard
El Segundo, CA 90245

AirTouch Cellular (Site: Terminal)
1302 E. Imperial Avenue
El Segundo, CA 90245

Please continue to send all invoices to AirTouch Cellular (Attn: Regulatory), P.O. Box 19707, Irvine, CA 92623-9707. If you have any questions, I can be reached at (949) 222-7894.

Thank you for your assistance.

Sincerely,

Melinda Hsu
Regulatory Analyst

Enclosures

ESD-39
REV 2/99

EL SEGUNDO FIRE DEPARTMENT – CERTIFIED UNIFIED PRORGAM AGENCY
HAZARDOUS MATERIALS
HAZARDOUS MATERIALS INVENTORY- CHEMICAL DESCRIPTION

(one page per material per building or area)

☐ ADD ☐ DELETE ■ REVISE 2

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
AirTouch Cellular (Site: El Segundo)

CHEMICAL LOCATION 201
Within equipment room along southern wall

CHEMICAL LOCATION CONFIDENTIAL - EPCRA ☐ Yes ■ No 202

FACILITY ID # 1 9 [redacted] 0 1 3 [redacted] 3 0 0 0 0 7

MAP # (optional) 203: Facility Plan

GRID # (optional) 204: H-25

II. CHEMICAL INFORMATION

CHEMICAL NAME 2

TRADE SECRET ☐ Yes ■ No 206
If Subject to EPCRA, refer to instructions

COMMON NAME: Battery electrolyte 2

EHS* ☐ Yes ☐ No 208

CAS # 2

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES *(Complete if required by CUPA)* 210

HAZARDOUS MATERIAL TYPE *(Check one item only)* ☐ a. PURE ■ b. MIXTURE ☐ c. WASTE 211

RADIOACTIVE ☐ Yes ■ No 212

CURIES: N/A 213

PHYSICAL STATE *(Check one item only)* ☐ a. SOLID ■ b. LIQUID ☐ c. GAS 214

LARGEST CONTAINER: 8.75 215

FED HAZARD CATEGORIES *(Check all that apply)* ☐ a. FIRE ■ b. REACTIVE ☐ c. PRESSURE RELEASE ■ d. ACUTE HEALTH ■ e. CHRONIC HEALTH 216

AVERAGE DAILY AMOUNT 217: 105

MAXIMUM DAILY AMOUNT: 105 218

ANNUAL WASTE AMOUNT: N/A 219

STATE WASTE CODE: N/A 220

UNITS* *(Check one item only)* ■ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS 2
* If EHS, amount must be in pounds.

DAYS ON SITE: 365 222

STORAGE CONTAINER *(Check all that apply)*
☐ a. ABOVEGROUND TANK ☐ b. UNDERGROUND TANK ☐ c. TANK INSIDE BUILDING ☐ d. STEEL DRUM ☐ e. PLASTIC/NONMETALLIC DRUM ☐ f. CAN ☐ g. CARBOY ☐ h. SILO ☐ i. FIBER DRUM ☐ j. BAG ☐ k. BOX ☐ l. CYLINDER ☐ m. GLASS BOTTLE ☐ n. PLASTIC BOTTLE ☐ o. TOTE BIN ☐ p. TANK WAGON ☐ q. RAIL CAR ■ r. OTHER 223
Battery

STORAGE PRESSURE ■ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT 224

STORAGE TEMPERATURE ■ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC 225

	%WT	HAZARDOUS COMPONENT *(For mixture or waste only)*	EHS	CAS #
1	60 226	Lead and lead salfate 227	☐ Yes ■ No 228	7446142 229
2	10-30 230	Sulfuric acid 231	■ Yes ☐ No 232	7664939 233
3	234	235	☐ Yes ☐ No 236	237
4	238	239	☐ Yes ☐ No 240	241
5	242	243	☐ Yes ☐ No 244	245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper containing the required information.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 246

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EL SEGUNDO FIRE DEPT.

AIRTOUCH™

Cellular

Hazardous Materials Disclosure Information & Business Emergency Plan

SITE: El Segundo

650 S. Sepulveda Boulevard
El Segundo, CA 90245

RECEIVED
MAY 17 1999
EL SEGUNDO
FIRE DEPT.

CUPA:
El Segundo Fire Department

AIRTOUCH™
Cellular

Business Emergency Plan

General Information

This site is a cellular telephone communications facility which is unmanned, small in size, contains only one or two hazardous materials that are rarely handled or disturbed, and generates no hazardous waste. Therefore, this business emergency plan has been simplified to include only information that pertains to this site.

This facility contains electrical equipment and batteries for powering the equipment. The batteries contain electrolyte in the form of dilute sulfuric acid, which is a corrosive liquid. However, it is completely absorbed and immobilized within the battery so it will not leak even if the battery case is punctured. There are 12 sealed batteries at this site, each containing 8.75 gallons of electrolyte for a total of 105 gallons.

AIRTOUCH™
Cellular

Business Emergency Plan

Emergency Notification

This facility is unmanned, but is remotely monitored 24 hours per day by the AirTouch Cellular Network Control Center (NCC). The NCC continuously monitors a minimum of 32 different site functions such as security, room air temperature and moisture, smoke, heat, and hydrogen gas detection. Any anomaly is immediately reported to AirTouch Cellular personnel who are then dispatched to the site. Smoke and heat detector alarms are immediately reported to the local fire department via 911.

In the event of a spill, release or threatened release (regardless of size) involving a hazardous material, AirTouch Cellular personnel shall immediately report the event to the NCC. AirTouch Cellular personnel will determine if the spill, release or threatened release is reportable. If it is determined to be reportable, AirTouch Cellular personnel shall report the release or spill to the appropriate agencies. AirTouch Cellular does not utilize a private on-site emergency response team.

Fire, Police, Sheriff	**911**
State Office of Emergency Services	(800) 852-7550
	(916) 427-4341
National Response Center	(800) 424-8802
El Segundo Fire Department	(310) 322-4311
AirTouch Cellular Network Control Center	(714) 669-3508
	(800) 242-7622

AirTouch Cellular personnel affected by exposure to hazardous materials should be transported to the following medical facility along with a copy of the MSDS for the chemical in question:

Los Angeles Metropolitan Medical Center -
Hawthorne Campus
13300 Hawthorne Boulevard
Hawthorne, CA 90250
(310) 679-3321

AIRTOUCH™
Cellular

Business Emergency Plan

Release Prevention and Mitigation

This facility has been engineered, designed and built to withstand severe earthquakes. All batteries are mounted in steel racks and braced. All equipment bays and cable racks are securely mounted and braced. This site is secured to prevent break-in and is remotely monitored to detect any anomaly. AirTouch Cellular has taken great steps to prevent potential problems before they occur. AirTouch Cellular personnel who visit this site are trained to be aware of hazards and to report any problems.

Because this is an unmanned facility and the batteries are securely mounted, the likelihood of a person being on site when an electrolyte release occurs is extremely remote. The nature of battery electrolyte is such that, even if a release occurs, there is very little danger to anyone inside the facility and no danger to persons outside the facility. AirTouch Cellular personnel have been trained to exit the facility and contact the NCC in the unlikely event of a release. Eyewash solution is provided at this facility for first aid.

AirTouch Cellular personnel are not trained to mitigate a release of electrolyte. No mitigation materials are kept at this facility. It is AirTouch Cellular policy that any release requiring the notification of an emergency response agency be handled by the responding emergency personnel. AirTouch Cellular personnel would be made available for site entry assistance and technical advice.

AIRTOUCH™
Cellular

Business Emergency Plan

Training

There are few personnel who have reason to visit this facility. It is not accessible to the general public and only AirTouch Cellular personnel who have been issued keys have access to it. All AirTouch Cellular personnel who have access to this facility are made aware of the fact that there are batteries inside and that the batteries contain dilute sulfuric acid. AirTouch Cellular personnel are also given a copy of the Material Safety Data Sheet (MSDS) to read. All AirTouch Cellular personnel are familiarized with the Business Emergency Plan, and are made aware of the location of the on-site Hazardous Materials Disclosure/Business Emergency Plan and MSDS and they are instructed to:

- Report any release of hazardous materials to the NCC immediately.
- Report any other problems that they may observe.
- Refer to this Hazardous Materials Disclosure/Business Emergency Plan for assistance.
- Not attempt mitigation of releases other than very small ones.
- Take this Hazardous Materials Disclosure/Business Emergency Plan and exit and secure the facility, if necessary.
- Wait for responding emergency personnel.

Training for AirTouch Cellular personnel is conducted at the time of employment and on an annual basis thereafter. The training records are kept on site with the Hazardous Materials Disclosure/Business Emergency Plan as well as at the AirTouch Cellular regional office.

MAR 02 1998

Lucent Technologies
Bell Labs Innovations

5225

MATERIAL SAFETY DATA SHEET

Lucent Technologies
600 Mountain Avenue
Murray Hill, NJ 07974

Issue Date: 01/28/98
Issue Number: 6
Supersedes Date: 05/27/97

Non-Emergency Telephone # 908-582-3700
Emergency Telephone # 800-424-9300 (CHEMTREC)

Use CHEMTREC only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

Reason for Re-Issue: Reformat

I. PRODUCT IDENTIFICATION

Product Name: Battery, Round Cell KS-20472
Chemical Name/Synonym: KS-20472, Flooded Lead-acid Battery
Product Code/Comcode: 402785232, 402785240, 402785257, 402785265
HMDB Number: 9928
Label Codes

Health: 3 - Corrosive
Fire: 0 - Non-flammable
Reactivity: 2 - Moderately reactive

II. HAZARDOUS INGREDIENTS

Component	CAS #	%	TLV(ACGIH)	PEL(OSHA)
*Lead and lead sulfate (7446-14-2)	7439-92-1	< 60	50 ug/m^3	50 ug/m^3
**Sulfuric acid	7664-93-9	10-30	1 mg/m^3, [1]	1 mg/m^3 [1]

[1]**STEL (ACGIH):** 3 mg/m^3 [1]**STEL (OSHA):** N/A

Comments: The data presented refer primarily to the acid electrolyte since this compound poses the predominant immediate hazard associated with this product. *These chemicals are subject to Section 313 Title III SARA Reporting Requirements. **This chemical in its existing form is not subject to SARA 313 Title III Reportable Requirement. However, if the use of this product results in aerosol formation of this chemical, then the aerosol of this chemical is subject to SARA 313 Title III Reportable Requirements.

III. PHYSICAL PROPERTIES

Appearance/Odor: Acid electrolyte is clear with a strong acrid odor.
Specific Gravity: 1.30
Boiling Point: > 219 °F
Vapor-Pressure: > 20 mm Hg at 77 °F
Evaporation Rate: < 1
% Volatiles by Volume: N/A
% Volatile Organic Carbon: N/A
Vapor Density (Air=1): 3.4
Melting Point: -17 °F
Solubility in Water: Soluble
pH: < 1

IV. HEALTH HAZARD SUMMARY

Primary Routes of Exposure

Oral: **Skin:** X **Eye:** X **Inhalation:** X

Effects of Overexposure:

The electrolyte is corrosive to skin, eyes, and mucous membranes. Repeated or prolonged inhalation of mists can cause inflammation of the upper respiratory tract and chronic bronchitis; pulmonary edema and death may occur from severe exposures.
Early symptoms of lead intoxication include a persistent metallic taste, vomiting, diarrhea or constipation, and severe abdominal pain. Continued exposures may result in muscle weakness and fatigue, nerve system damage, paralysis, liver and kidney damage, anemia, anorexia, and adverse reproductive and developmental effects.

Listed as a Carcinogen or Potential Carcinogen By the Following Agencies?

NTP: No **IARC:** Yes **OSHA:** No

Toxicity Study Information:

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data are presented here. Consult latest issue for more information.

Sulfuric acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category I carcinogen, a substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid contained within a battery. The inorganic acid mist is not generated under normal use of this product. Misuse of the product such as overcharging, may result in the generation of sulfuric acid mist.

Lead-TC_{LO}: 10 ug/m^3, human, inhalation; TD_{LO}: 450 mg/kg/yr, human, oral. Reported to cause chromosomal aberrations in human and animal cells. Causes reproductive and developmental effects in experimental animals.

According to the International Agency for Research on Cancer (IARC) Monograph Supplement (1987), there is inadequate evidence for the carcinogenicity of lead in humans. Lead and inorganic lead compounds are classified as group 2B carcinogens by IARC. OSHA regulated (29 CFR 1910.1025).

Lead sulfate-LD_{LO}: 2 g/kg, dog, oral; LD_{LO}: 30 g/kg, guinea pig, oral. Positive sister chromatid exchange assays in human and animal cells.

The lead and lead sulfate contained in this product pose a minimal hazard because they are enclosed. A lead hazard may result during recycling or if battery is discarded improperly.

V. FIRST AID PROCEDURES

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

Notes to physician: None

VI. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Autoignition Temp:** N/A
Flammable Limits: LEL: N/A **UEL:** N/A

Extinguishing Media: For small fires use carbon dioxide, dry chemical. For large fires, flood area with large quantities of water, while suppressing vapors with waterfog/spray.

Special Firefighting Procedures: Cool battery exterior with water to prevent rupture. Firefighters should wear positive pressure self-contained breathing apparatus and thermal protective clothing to avoid toxic and corrosive mists, vapors, and possibly lead fumes.

Unusual Fire and Explosion Hazards: Sulfuric acid, especially when diluted with water, can react with metals to produce flammable gas. Remove all sources of ignition and ventilate area if battery is ruptured or recharging.

VII. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Prolonged overcharging; sources of ignition. Do not allow metallic articles to simultaneously contact the negative and positive terminals of the battery.

Incompatibility (Materials to Avoid): Combustibles, organic materials, strong oxidizers and reducing agents. strong acids and bases, active metals, water. Carbides, chlorates, nitrates, picrates, fulminates, halides, halogenates, peroxides, sulfides, potassium, sulfur, nascent hydrogen.

Hazardous Decomposition Products:

Sulfuric acid: Sulfur oxides, sulfuric acid mist, hydrogen.

Lead: Presence of nascent hydrogen may generate toxic arsine gas.

Thermal decomposition of battery casing may produce nitrogen oxides and cyanides.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

VIII. SPECIAL PROTECTION INFORMATION

Ventilation: General ventilation should be adequate under normal conditions of use.
Respiratory Protection: Respirators are not required under normal conditions of use. Use NIOSH approved respirator for acid mist if PEL or TLV is exceeded when handling electrolyte.
Protective Gloves: Required. Neoprene, rubber, or polyethylene types are suggested.
Eye Protection: Required. Chemical splash goggles or full face shield is suggested.
Other Clothing and/or Equipment: Eyewash and safety shower should be available for immediate use. Rubber boots and rubber apron in accordance with potential for electrolyte exposure. Long legged and long sleeved clothing.

IX. ENVIRONMENTAL INFORMATION

Steps to be Taken in Case Material is Released or Spilled: If an acid spill is external to the battery, cover the spill with clay or other recognized acid absorbing agent. Neutralize the acid with sodium bicarbonate (baking soda) or other recognized neutralizer. In an emergency sand, ashes, or gravel can be used to cover spill, and soda ash or lime used to neutralize acid; such substances should not be used on the battery itself as they can cause damage to it. Do not flush with water, even after acid has been neutralized.
Waste Disposal Method: Contains lead. Dispose of according to all applicable regulations.
TSCA Status: All components appear on the TSCA chemical substance inventory.
Shipping Information: USDOT/IATA: Name: Battery, Wet, Filled with acid
Class: 8 **ID#:** UN2794 **PG:** III

X. SPECIAL PRECAUTIONS

Storage and Handling Requirements:

Store in a cool, dry, well ventilated area. Protect batteries from physical damage. All lead acid cells have enormous circuit capability. Extreme care should be exercised to avoid shorting of cell terminals. When working around cells remove rings, wrist watches, necklaces, metal bracelets, belt buckles, etc. Explosive hydrogen gas may be generated during charging. Avoid creating sparks, keep away from sources of ignition and ventilate area during charging.

N.D. = Not Determined **N/A** = Not Applicable.

While information in this fact sheet has been compiled from reference materials and other sources believed to be reliable, its accuracy and completeness is not guaranteed, nor is any responsibility assumed or implied for any loss or damage resulting from inaccuracies or omissions. Any specific evaluation will involve professional judgement by the user's industrial hygiene personnel.

AIRTOUCH
Cellular

Hazardous Materials Disclosure

Facility Information

This site is an unmanned cellular telephone communications facility that houses electrical equipment and batteries for powering the equipment. It is remotely monitored 24 hours per day by our Regional Operations Control Center (ROCC). The only hazardous material at this site is battery electrolyte (dilute sulfuric acid) which is contained inside each battery. There are 12 sealed batteries inside this facility that contain a cumulative total of 105 gallons of electrolyte. The following information about this facility is provided to meet State, Federal and local disclosure requirements:

FACILITY & OWNER/OPERATOR IDENTIFICATION

Business Name: AirTouch Cellular Site Name: El Segundo

Facility Street Address: 650 S. Sepulveda Blvd. Site #208

City: El Segundo State: CA Zip Code: 90245

Dun & Bradstreet #: N/A SIC Code #: 4899

Nature of Business: Cellular Telephone Communications

Owner/Operator Name: AirTouch Cellular L.A. Market Phone No: (714) 222-7000

Mailing Address (if different): P.O. Box 19707

City: Irvine State: CA Zip Code: 92713

EMERGENCY CONTACTS

PRIMARY	SECONDARY
Name: AirTouch Cellular Regional Operations Control Center (ROCC)	Name: George Parks
Business Phone: (714) 669-3508	Business Phone: (714) 669-3550
24 Hour Phone: (800) 242-7622	24 Hour Phone: (714) 721-3100 (pager)
Title: ROCC	Title: Director-Network Operations

CERTIFICATION

CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the information to be true, accurate and complete.

Print Name of Owner/ Operator: George Parks

Print Name of Document Preparer: Bruce L. Spencer, Radix Consulting

Signature of Owner/Operator: Bruce L Spencer for George Parks Date: 7/15/94

AIRTOUCH
Cellular

Business Emergency Plan

General Information

This site is a cellular telephone communications facility. Because it is unmanned, small in size, contains only one or two hazardous materials that are rarely handled or disturbed, and generates no hazardous waste, this business emergency plan has been simplified to include only information that pertains to this site. Consequently, it is shorter and easier to use than typical emergency plans.

This facility contains electrical equipment and batteries for powering the equipment. The batteries contain electrolyte in the form of dilute sulfuric acid, which is a corrosive liquid. There are 12 sealed batteries at this site, each containing 8.75 gallons of electrolyte for a total of 105 gallons.

This is AirTouch Cellular cell site # 208
The AirTouch Cellular name for this site is El Segundo
The site address is:

650 S. Sepulveda Blvd.
El Segundo, CA 90245

This facility is owned by:

AirTouch Cellular L. A. Market
3 Park Plaza
P.O. Box 19707
Irvine, CA 92713
Telephone: (714) 222-7000

The primary emergency contact is:

AirTouch Cellular Regional Operations Control Center
Business Phone: (714) 669-3208
24 Hour Phone: (800) 242-7622
Title: ROCC

The secondary emergency contact is:

George Parks
Business Phone: (714) 669-3550
24 Hour Phone: (714) 721-3100 (pager)
Title: Director-Network Operations

AIRTOUCH
Cellular

Business Emergency Plan

Emergency Notification

This facility is unmanned, but it is remotely monitored 24 hours per day by the company's Regional Operations Control Center (ROCC). Personnel at the ROCC are continuously monitoring a minimum of 32 different site functions such as security, room air temperature and moisture, smoke, heat, and hydrogen gas detection. Any anomaly is immediately reported to maintenance personnel who are then dispatched to the site. Smoke and heat detector alarms are immediately reported to the fire department via 911.

Once on-site, the field technician reports back to the ROCC concerning conditions at the site. Any hazardous material release, or threatened release, is reported to the ROCC. ROCC personnel will immediately notify the key decision maker and, if warranted, the appropriate emergency response agency. For conditions not requiring immediate attention or action, the field technician and key decision maker will determine the appropriate course of action. In most cases involving battery acid the battery manufacturer will be contacted and a technician will respond to resolve the problem.

The ROCC has on file all information concerning the property owner or manager and notification will be made as required. Problems encountered on sites near or on school property will be reported to the school district office.

Emergency Response Phone Numbers

ROCC	(714) 669-3508
Key Decision Maker:	(714) 669-3550 (Work)
George Parks	(714) 345-3450 (Mobile)
Director-Network Operations	(714) 721-3100 (pager)
Fire, Police, Sheriff	**911**
Office of Emergency Services	(800) 852-7550
	(916) 427-4341
Environmental Protection Agency	(415) 744-2000

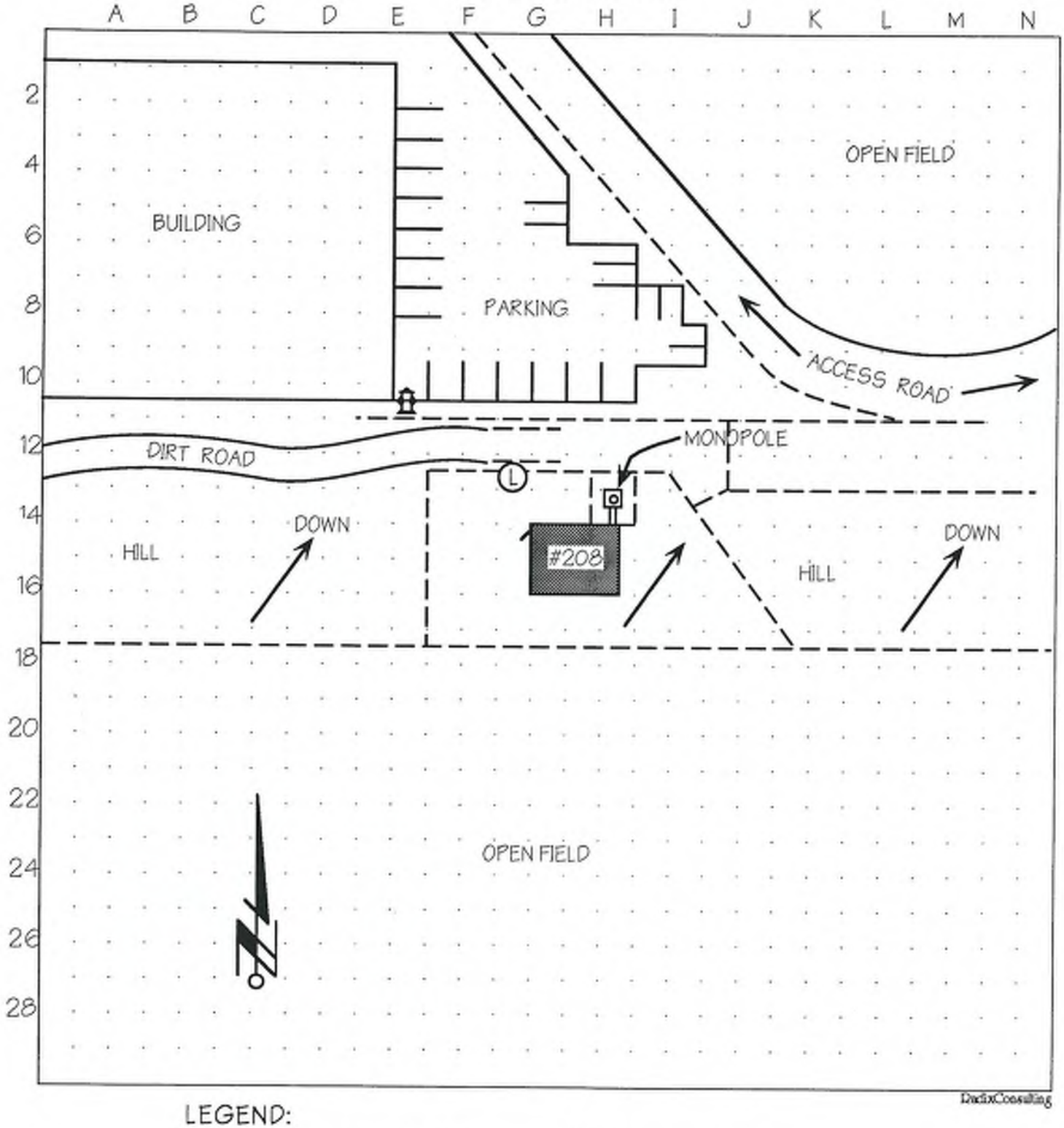
SITE MAP

EL SEGUNDO CELL SITE

CELL No. 208

650 S. SEPULVEDA BLVD., EL SEGUNDO, CA 90245

SCALE: 1/4" = 10'



LEGEND:

FIRE HYDRANT
PADLOCK
L LOCKED GATE
FENCE

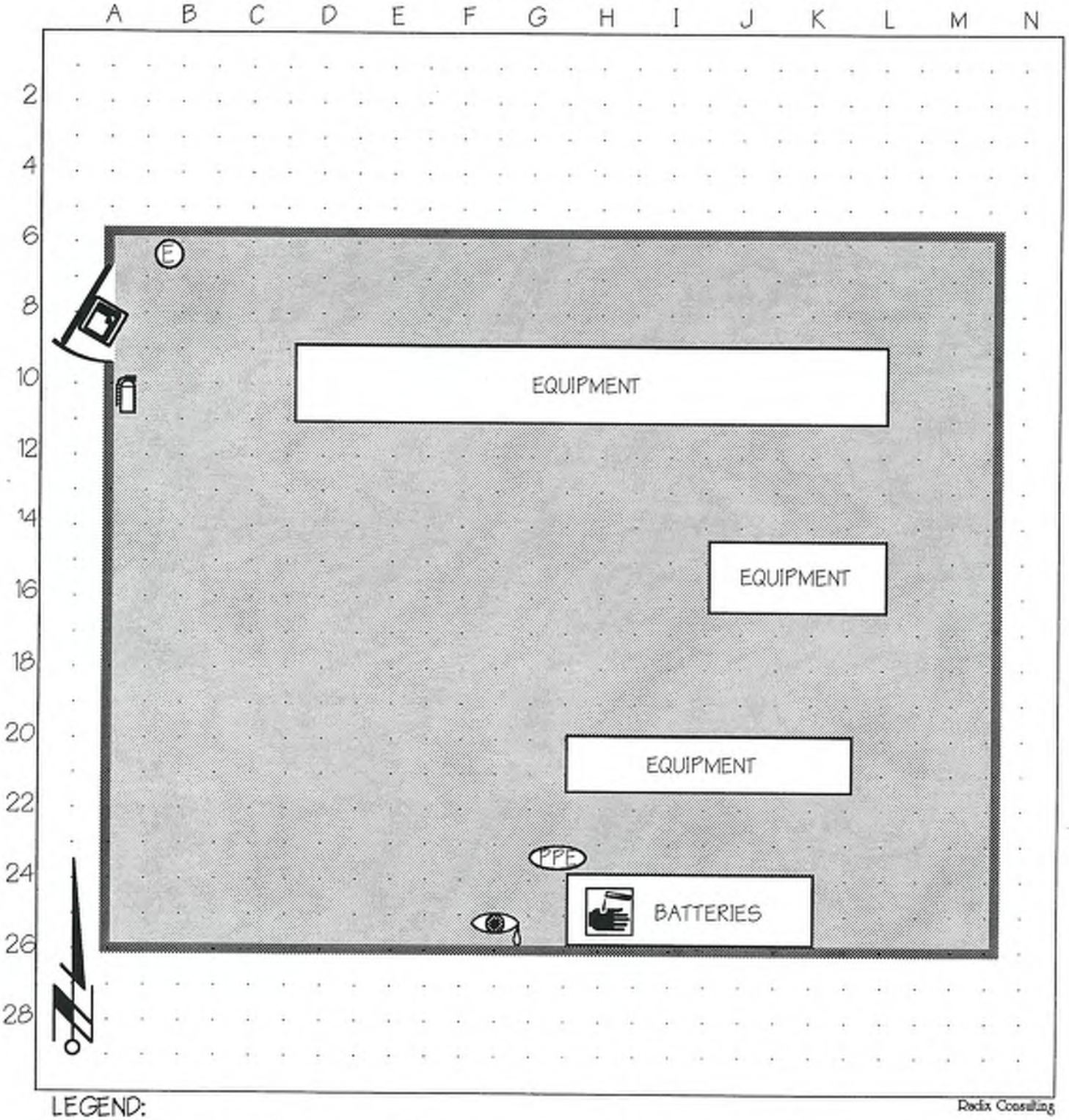
FACILITIES PLAN

EL SEGUNDO CELL SITE

CELL No. 208

650 S. SEPULVEDA BLVD., EL SEGUNDO, CA 90245

SCALE: 1/4" = 1'



LEGEND:

- HALON FIRE EXTINGUISHER
- E ELECTRICAL PANEL
- MSDS & EMERGENCY PLAN
- PPE PERSONAL PROTECTION EQUIPMENT
- FIRST AID EQUIPMENT
- EYEWASH SOLUTION

Redix Consulting

PAC TEL CELLULAR

Hazardous Materials Disclosure

Facility Information

This site is an unmanned cellular telephone communications facility that houses electrical equipment and batteries for powering the equipment. It is remotely monitored 24 hours per day by Pac Tel's Regional Operations Control Center (ROCC). The only hazardous material at this site is battery electrolyte (dilute sulfuric acid) which is contained inside each battery. There are 12 sealed batteries inside this facility that contain a cumulative total of 105 gallons of electrolyte. The following information about this facility is provided to meet State, Federal and local disclosure requirements:

FACILITY & OWNER/OPERATOR IDENTIFICATION

Business Name: PacTel Cellular Site Name: El Segundo

Facility Street Address: 650 S. Sepulveda Blvd. Site #208

City: El Segundo State: CA Zip Code: 90245

Dun & Bradstreet #: N/A SIC Code #: 4899

Nature of Business: Cellular Telephone Communications

Owner/Operator Name: PacTel Cellular L.A. Market Phone No: (714) 222-7000

Mailing Address (if different): P.O. Box 19707

City: Irvine State: CA Zip Code: 92713

EMERGENCY CONTACTS

PRIMARY	SECONDARY
Name: PacTel Cellular Regional Operations Control Center (ROCC)	Name: George Parks
Business Phone: (714) 668-3200	Business Phone: (714) 668-3250
24 Hour Phone: (714) 668-3208	24 Hour Phone: (714) 721-3100 (pager)
Title: ROCC	Title: Director-Network Operations

CERTIFICATION

CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the information to be true, accurate and complete.

Print Name of Owner/ Operator: George Parks

Print Name of Document Preparer: Bruce L. Spencer, Radix Consulting

Signature of Owner/Operator: _____ Date: 12-8-93

PACTEL CELLULAR
Business Emergency Plan

General Information

This site is a cellular telephone communications facility. Because it is unmanned, small in size, contains only one hazardous material that is rarely handled or disturbed, and generates no hazardous waste, this business emergency plan has been simplified to include only information that pertains to this site. Consequently, it is shorter and easier to use than typical emergency plans.

This facility contains electrical equipment and batteries for powering the equipment. The batteries contain electrolyte in the form of dilute sulfuric acid, which is a corrosive liquid. There are 12 sealed batteries at this site, each containing 8.75 gallons of electrolyte for a total of 105 gallons.

This is PacTel Cellular cell site #208
The PacTel Cellular name for this site is El Segundo
The site address is:

650 S. Sepulveda Blvd.
El Segundo, CA 90245

This facility is owned by:

PacTel Cellular L. A. Market
3 Park Plaza
P.O. Box 19707
Irvine, CA 92713
Telephone: (714) 222-7000

The primary emergency contact is:

PacTel Cellular Regional Operations Control Center
Business Phone: (714) 668-3200
24 Hour Phone: (714) 668-3208
Title: ROCC

The secondary emergency contact is:

George Parks
Business Phone: (714) 668-3250
24 Hour Phone: (714) 721-3100 (pager)
Title: Director-Network Operations

PAC TEL. CELLULAR

Business Emergency Plan

Emergency Notification

This facility is unmanned, but it is remotely monitored 24 hours per day by the company's Regional Operations Control Center (ROCC). Personnel at the ROCC are continuously monitoring a minimum of 32 different site functions such as security, room air temperature and moisture, smoke, heat, and hydrogen gas detection. Any anomaly is immediately reported to maintenance personnel who are then dispatched to the site. Smoke and heat detector alarms are immediately reported to the fire department via 911.

Once on-site, the field technician reports back to the ROCC concerning conditions at the site. Any hazardous material release, or threatened release, is reported to the ROCC. ROCC personnel will immediately notify the key decision maker and, if warranted, the appropriate emergency response agency. For conditions not requiring immediate attention or action, the field technician and key decision maker will determine the appropriate course of action. In most cases involving battery acid the battery manufacturer will be contacted and a technician will respond to resolve the problem.

The ROCC has on file all information concerning the property owner or manager and notification will be made as required. Problems encountered on sites near or on school property will be reported to the school district office.

Emergency Response Phone Numbers

ROCC	(714) 668-3208
Key Decision Maker:	(714) 668-3250 (Work)
George Parks	(714) 345-3450 (Mobile)
Director-Network Operations	(714) 721-3100 (pager)
Fire, Police, Sheriff	**911**
Office of Emergency Services	(800) 852-7550
	(916) 427-4341
Environmental Protection Agency	(415) 744-2000

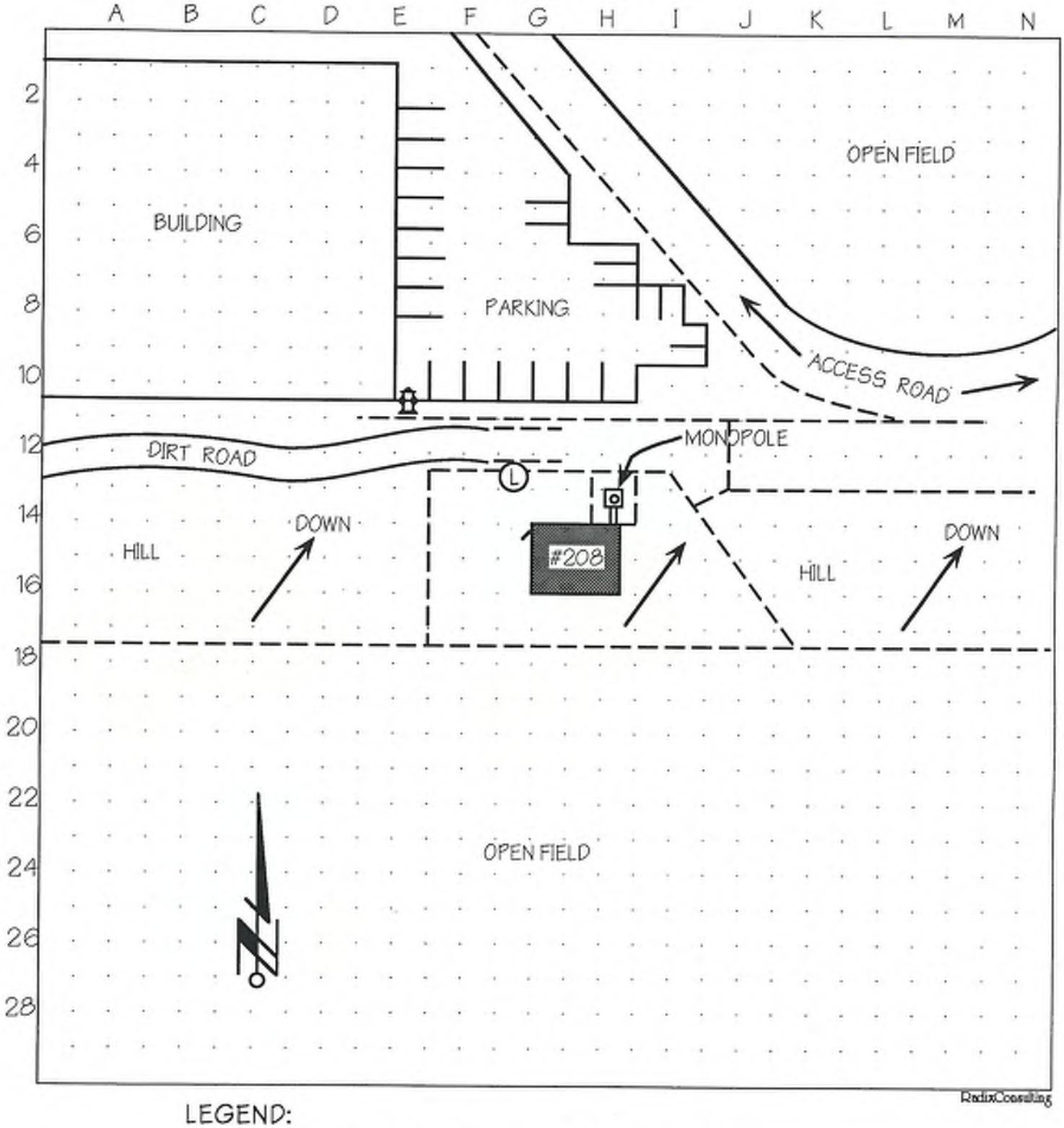
SITE MAP

EL SEGUNDO CELL SITE

CELL No. 208

650 S. SEPULVEDA BLVD., EL SEGUNDO, CA 90245

SCALE: 1/4" = 10'



LEGEND:

FIRE HYDRANT
PADLOCK
L LOCKED GATE
FENCE

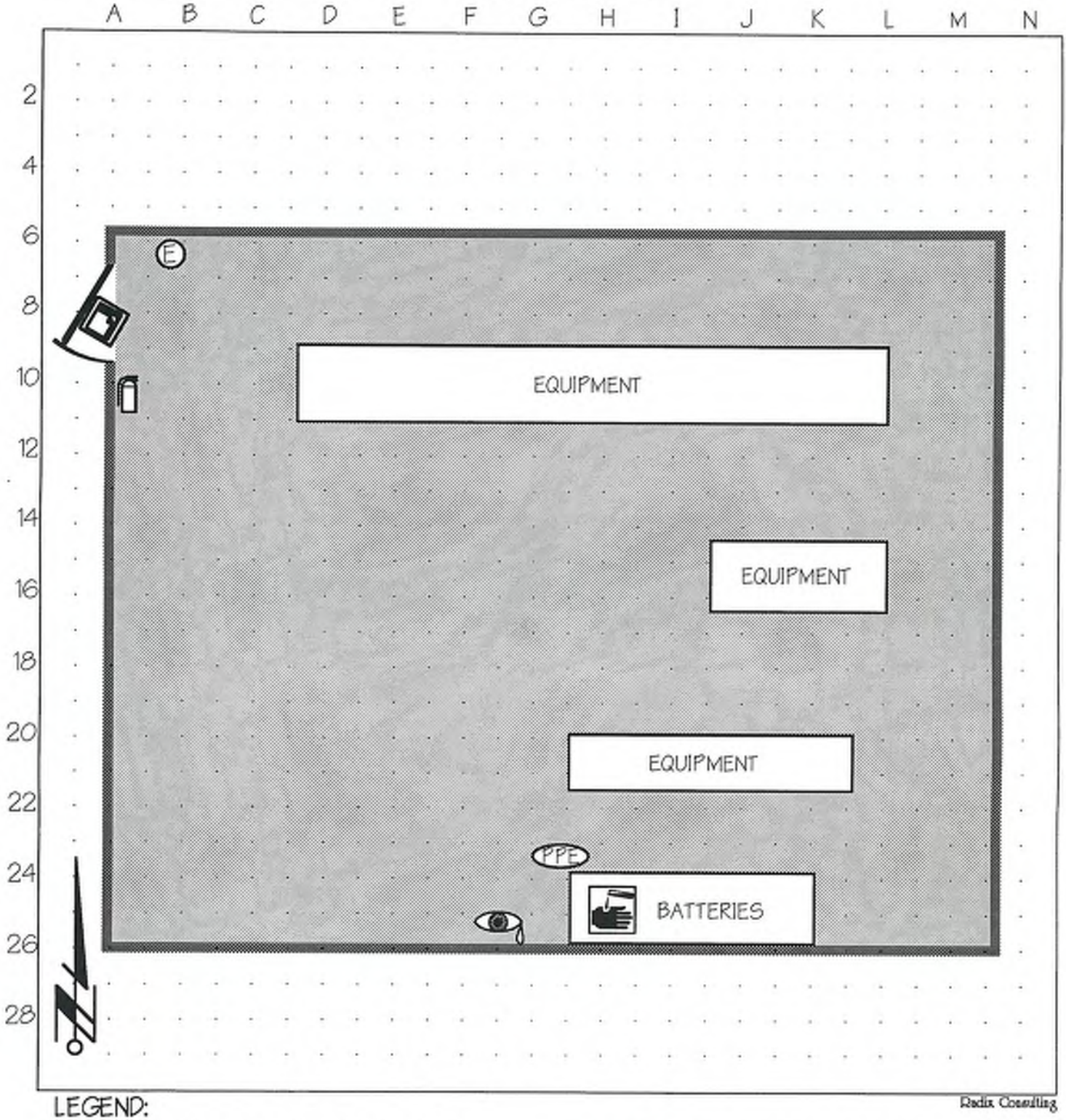
FACILITIES PLAN

EL SEGUNDO CELL SITE

CELL No. 208

650 S. SEPULVEDA BLVD., EL SEGUNDO, CA 90245

SCALE: 1/4" = 1'



Radix Consulting

LEGEND:

- HALON FIRE EXTINGUISHER
- E ELECTRICAL PANEL
- MSDS & EMERGENCY PLAN
- PPE PERSONAL PROTECTION EQUIPMENT
- FIRST AID EQUIPMENT
- EYEWASH SOLUTION

RECEIVED

FEB 27 1998

EL SEGUNDO
FIRE DEPT.

February 26, 1998

Environmental Safety Division
El Segundo Fire Department
314 Main Street
El Segundo, CA 90245

Reference: Chemical Disclosure Inventory for AirTouch Cellular
(Company Name)
at 650 Sepulveda Blvd., El Segundo, CA (#208)
(address where chemical are stored and/or used)

To whom it may concern:

This is to certify that the information contained in the annual inventory form submitted July 04, 1994 to the El Segundo Fire Department is complete, accurate and up to date.
(Date of last inventory submittal)
Further, there has been no changes in the quantity of any hazardous material as reported in the most recently submitted annual inventory form, and all chemicals handled in excess of 55 gallons, 200 cubic feet and 500 pounds have been included.

Please contact Network Control Center at (714) 669-3508 if you have any questions
(Name of Environmental Contact) (telephone number)
or require further information.

Elena Baluyut for AirTouch Cellular
(Typed Name of Business Owner/Operator or Designated Representative)

Elena Baluyut for AirTouch
(Signature of Business Owner/Operator or Designated Representative)

P. O. Box 19707
Irvine, CA 92623-9707
Facsimile: (714) 222-8041

AIRTOUCH™
Cellular

Facsimile Transmission

Date: 2-26-98 Fax No: _____

To: Steve Tsumura / Environmental Safety Coordinator

From: Allen Bright

Message:

Attached, please find the signal data from the requested by your jurisdiction for two sites located in El Segundo. Please give me a call at (714-222-7653) if you have any questions.

Thank.

Allen Bright

This FAX transmission contains (___) page(s), including the cover sheet.

Please call (714) 222-7615 if you experience any problems with this transmission.

Radix Consulting
A Division of Radix Technologies 23591 Avenida Topanga Mission Viejo, CA 92691 (714) 586-0216 FAX (714) 586-0211

RECEIVED
MAR 8 1995
EL SEGUNDO
FIRE DEPARTMENT

March 6, 1995

El Segundo Fire Department
Hazardous Materials Disclosure Office
Attention: Steve Tsumura
314 Main Street
El Segundo, CA 90245-0989

Dear Steve:

As per our telephone conversation this date, I am sending this letter to confirm that AirTouch Cellular's two cell sites within your jurisdiction remain unchanged from what has been previously disclosed. The addresses of these two site are:

ATC Site #208	608 S. Sepulveda Boulevard
ATC Site #436	1302 East Imperial Avenue

There is a Business Emergency Plan at each site, even though they are unmanned and the only hazardous material present is battery electrolyte. Thanks for allowing us to update you via letter.

Sincerely,

Bruce L Spencer

Bruce L. Spencer
Radix Consulting

JUL 15 1994
EL SEGUNDO
FIRE DEPARTMENT

AIRTOUCH™
Cellular

Hazardous Materials Disclosure Information

&

Business Emergency Plan

Site #208
650 S. Sepulveda Blvd.
El Segundo, CA 90245

Administering Agency:
El Segundo Fire Department

AIRTOUCH™
Cellular

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AIRTOUCH
Cellular

Hazardous Materials Disclosure

Hazardous Material Inventory Forms

CHEMICAL #1

208

Common Name: Battery Electrolyte CAS #: 7664-93-9

Chemical Name: Sulfuric Acid (Dilute)

NFPA Hazard Categories

HEALTH: 3 (Immediate) FIRE: 0 REACTIVITY: 2 OTHER: Corrosive

Physical State: Liquid Units of Measure: Gallons

Maximum Daily Amount: 105 Average Daily Amount: 105

No. Days/year chemical is on-site: 365 Largest container on-site (capacity): 8.75

Location: See Facility Plan, page 8, grid J-25

CHEMICAL #2

Common Name: CAS #:

Chemical Name:

NFPA Hazard Categories

HEALTH: FIRE: REACTIVITY: OTHER:

Physical State: Units of Measure:

Maximum Daily Amount: Average Daily Amount:

No. Days/year chemical is on-site: Largest container on-site (capacity):

Location:

CHEMICAL #3

Common Name: CAS #:

Chemical Name:

NFPA Hazard Categories

HEALTH: FIRE: REACTIVITY: OTHER:

Physical State: Units of Measure:

Maximum Daily Amount: Average Daily Amount:

No. Days/year chemical is on-site: Largest container on-site (capacity):

Location:

Release Prevention and Mitigation

This facility has been engineered, designed and built to withstand severe earthquakes. All batteries are mounted in steel racks and braced. All equipment bays and cable racks are securely mounted and braced. The site is secured to prevent break-in and is remotely monitored to detect any anomaly. AirTouch Cellular has taken great steps to prevent potential problems before they occur. Personnel who visit this site are trained to be aware of hazards and to report any problems.

Because this is an unmanned facility and the batteries are securely mounted, the likelihood of a person being on site when an electrolyte release occurs is extremely remote. The nature of battery electrolyte is such that, even in the event that a release occurs, there is very little danger to anyone inside the facility and no danger to persons outside the facility. Protective clothing is provided for all personnel who actually work on the batteries, and all site-visit personnel have been trained to exit the facility and contact the ROCC in the unlikely event of a release. Eyewash solution is provided at this facility for personnel first aid.

AirTouch Cellular personnel are not trained to mitigate a release of electrolyte. No mitigation materials are kept at this facility. It is AirTouch policy that any release requiring the notification of an emergency response agency be handled by the responding emergency personnel. An AirTouch facility technician would be made available for site entry assistance and technical advice.

Training

There are few personnel who have reason to visit this facility. It is not accessible to the general public and only people who have been issued keys have access to it. All personnel who have access to this facility are made aware of the fact that there are batteries inside, that the batteries contain dilute sulfuric acid, and they are given a copy of the Material Safety Data Sheet (MSDS) to read. All personnel are made aware of the location of the on-site Emergency Plan and MSDS and they are instructed to:

- Report any release of battery acid to the ROCC immediately.
- Report any other problems that they may observe.
- Refer to this Emergency Plan for assistance.
- Not attempt mitigation of releases other than very small ones.
- Take the Emergency Plan, exit and secure the facility.
- Wait for responding personnel.

Training for personnel who visit cell sites is performed on an as-needed basis by AirTouch Cellular's Human Resources department. The training records are kept in the Human Resources department at AirTouch Cellular's Irvine office.

ROCC personnel remotely monitor this site and they are trained in the procedures to follow when a release is reported by someone on-site or when trouble is indicated by monitoring equipment. These procedures are kept on file at the ROCC, as are the training records for ROCC personnel.

PACTEL CELLULAR

RECEIVED
JAN 24 1994
EL SEGUNDO
FIRE DEPARTMENT

Hazardous Materials Disclosure Information

&

Business Emergency Plan

Site #208
650 S. Sepulveda Blvd.
El Segundo, CA 90245

Administering Agency:

El Segundo Fire Department

PACTEL CELLULAR

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PACTEL CELLULAR

Hazardous Materials Disclosure

Hazardous Material Inventory Forms

CHEMICAL #1

Common Name: Battery Electrolyte CAS #: 7664-93-9

Chemical Name: Sulfuric Acid (Dilute)

NFPA Hazard Categories

HEALTH: 3 (Immediate) FIRE: 0 REACTIVITY: 2 OTHER: Corrosive

Physical State: Liquid Units of Measure: Gallons

Maximum Daily Amount: 105 Average Daily Amount: 105

No. Days/year chemical is on-site: 365 Largest container on-site (capacity): 8.75

Location: See Facility Plan, page 8, grid J-25

CHEMICAL #2

Common Name: CAS #:

Chemical Name:

NFPA Hazard Categories

HEALTH: FIRE: REACTIVITY: OTHER:

Physical State: Units of Measure:

Maximum Daily Amount: Average Daily Amount:

No. Days/year chemical is on-site: Largest container on-site (capacity):

Location:

CHEMICAL #3

Common Name: CAS #:

Chemical Name:

NFPA Hazard Categories

HEALTH: FIRE: REACTIVITY: OTHER:

Physical State: Units of Measure:

Maximum Daily Amount: Average Daily Amount:

No. Days/year chemical is on-site: Largest container on-site (capacity):

Location:

Release Prevention and Mitigation

This facility has been engineered, designed and built to withstand severe earthquakes. All batteries are mounted in steel racks and braced. All equipment bays and cable racks are securely mounted and braced. The site is secured to prevent break-in and is remotely monitored to detect any anomaly. PacTel has taken great steps to prevent potential problems before they occur. Personnel who visit this site are trained to be aware of hazards and to report any problems.

Because this is an unmanned facility and the batteries are securely mounted, the likelihood of a person being on site when an electrolyte release occurs is extremely remote. The nature of battery electrolyte is such that, even in the event that a release occurs, there is very little danger to anyone inside the facility and no danger to persons outside the facility. Protective clothing is provided for all personnel who actually work on the batteries, and all site-visit personnel have been trained to exit the facility and contact the ROCC in the unlikely event of a release. Eyewash solution is provided at this facility for personnel first aid.

PacTel personnel are not trained to mitigate a release of electrolyte. No mitigation materials are kept at this facility. It is PacTel policy that any release requiring the notification of an emergency response agency be handled by the responding emergency personnel. A PacTel facility technician would be made available for site entry assistance and technical advice.

Training

There are few personnel who have reason to visit this facility. It is not accessible to the general public and only people who have been issued keys have access to it. All personnel who have access to this facility are made aware of the fact that there are batteries inside, that the batteries contain dilute sulfuric acid, and they are given a copy of the Material Safety Data Sheet (MSDS) to read. All personnel are made aware of the location of the on-site Emergency Plan and MSDS and they are instructed to:

- Report any release of battery acid to the ROCC immediately.
- Report any other problems that they may observe.
- Refer to this Emergency Plan for assistance.
- Not attempt mitigation of releases other than very small ones.
- Take the Emergency Plan, exit and secure the facility.
- Wait for responding personnel.

Training for personnel who visit cell sites is performed on an as-needed basis by PacTel's Human Resources department. The training records are kept in the Human Resources department at PacTel Cellular's Irvine office.

ROCC personnel remotely monitor this site and they are trained in the procedures to follow when a release is reported by someone on-site or when trouble is indicated by monitoring equipment. These procedures are kept on file at the ROCC, as are the training records for ROCC personnel.

Material Safety Data Sheet

Sulfuric Acid (Dilute), Electrolyte

I. General Information/Summary

Product Identity:

Chemical Name: Sulfuric Acid (Dilute)
Common Name: Battery Electrolyte, Battery Acid

Summary Information:

Dilute sulfuric acid is a corrosive liquid that is clear in color and has a slightly acrid odor. It can cause burns when it comes in contact with skin or eyes. Body contact and breathing of vapors should be avoided. It is non-flammable but may evolve heat when water is added to it. Hydrogen gas may be evolved when it comes in contact with metals. Extinguishing media appropriate to surrounding fire should be used. Runoff from fire control methods should not be allowed to enter sewers or waterways. Small acid spills may be neutralized with bicarbonate of soda. Larger spills may be neutralized with a mixture of soda ash/slaked lime (50/50). Follow applicable regulations for disposal of neutralized waste with a pH between 5.5 and 8.5.

II. Hazardous Ingredients/Material Identification

Hazardous Component: Sulfuric Acid	**% By Weight:** 28 - 40%	**Chemical Family:** Acid
CAS Registry #: 7664-93-99	**OSHA PEL:** 1.0 mg/m^3	**ACGIH TLV:** 1.0 mg/m^3
Non-Hazardous Component: Water	**% By Weight:** 60 - 72%	

HMIS Rating:	Health: **2**	Flammability: **0**	Reactivity: **2**	Other: **0**
NFPA Rating:	Health: **2**	Flammability: **0**	Reactivity: **2**	Other: **Corrosive**

III. Physical/Chemical Characteristics

Boiling Point:	N/A	**Specific Gravity (Water = 1):**	1.202 - 1.303
Vapor Pressure:	Ambient	**Melting Point:**	N/A
Vapor Density:	N/A	**Evaporation Rate:**	N/A
Solubility in Water:	100%	**Appearance/Odor:**	Clear liquid, acrid odor

IV. Fire/Explosion Hazard

Flash Point:	Non-combustible	**Autoignition Temperature:**	N/A
LEL:	N/A	**UEL:**	N/A

Extinguishing Media: Use extinguishing media appropriate to surrounding fire. Dry chemical, Halon, carbon dioxide, water or foam may be used.

Special Firefighting Procedures: Self contained breathing apparatus and full protective clothing should be worn. Structural firefighter's protective clothing may be damaged if it comes in contact with acid. Rubber gloves should be worn. Runoff from firefighting activities should be prevented from entering sewers or waterways prior to neutralization.

Unusual Fire & Explosion Hazards: Water added to dilute sulfuric acid will evolve heat unless in large quantities. Hydrogen gas may be generated.

V. Reactivity Data

Stability/Polymerization: Sulfuric acid is stable at room temperature in closed containers. Hazardous polymerization will not occur.

Incompatibility (Materials to Avoid): Metals, combustibles.

Conditions to Avoid: Contact with metal, storage near combustibles.

Hazardous Decomposition or Byproducts: Hydrogen gas. Sulfur trioxide may be generated at high temperatures.

VI. Health Hazard Data

Summary of Risks: Dilute sulfuric acid is a respiratory tract, skin, and eye irritant. Exposure can result in burns, tissue damage, scarring, and blindness if splashed in the eye.

Carcinogenity: None known at this time.

Routes of Entry: Inhalation, skin, eyes, ingestion.

Health Hazards - Acute: Tissue destruction on contact. May cause 2nd and 3rd degree burns or blindness. Ingestion will cause corrosive burns on contact. May be fatal if swallowed.

Health Hazards - Chronic: Inhalation of mists may cause upper respiratory irritation and possible pulmonary edema.

Signs and Symptoms of Exposure: Irritating or burning of exposed tissue.

Medical Conditions Aggravated by Exposure: Respiratory disorders may be aggravated by prolonged inhalation of mists.

Emergency First Aid: Skin/Eyes - Flush with water for at least 15 minutes. Remove contaminated clothing.

Emergency First Aid: Inhalation - Remove exposed person to fresh air and support breathing as needed.

Emergency First Aid: Ingestion - Do not induce vomiting. Drink large amounts of water or milk. Seek medical attention immediately.

VII. Precautions for Safe Handling and Use

Steps To Be Taken if Material Is Released or Spilled: Neutralize spill with soda ash or lime. Use adequate ventilation with soda ash due to CO_2 evolution. Keep unprotected individuals away from large spills. Contain large spills with earth or clay dikes.

Waste Disposal Method: If local ordinances permit, neutralized acid may be rinsed to sewer.
RCRA Waste Disposal No.: D002 - Corrosive.

Precautions To Be Taken in Handling and Storing: Add water to acid to avoid excessive heat generation. Store away from reactives and combustibles in cool, dry area.

VIII. Control Measures/Protective Equipment

Respiratory Protection: If needed, NIOSH-approved acid mist respirator.

Ventilation: Local exhaust to avoid vapor/ mist buildup.

Eye Wear: Chemical splash goggles.

Gloves: Rubber or neoprene.

Other Protective Clothing: Acid resistant apron or clothes.

Work Practices: Maintain eyewash and drench shower in area.

MSDS prepared by Bruce Spencer, Radix Consulting, 23591 Avenida Topanga, Mission Viejo, CA 92691 (July 1993)

Radix Consulting
A Division of Radix Technologies 23591 Avenida Toronga Mission Viejo, CA 92691 (714) 586-0216 FAX (714) 586-0211

January 21, 1994

RECEIVED
JAN 24 1994
EL SEGUNDO
FIRE DEPARTMENT

El Segundo Fire Department
Hazardous Materials Office
314 Main Street
El Segundo, CA 90245

Hazardous Materials Coordinator:

PacTel Cellular (PTC) has authorized Radix Consulting to handle HazMat disclosure and Business Emergency Plans for each of their cell sites in Southern California. PTC has over two hundred cell sites in Los Angeles county and must deal with twenty-five different administering agencies in an effort to comply with applicable codes and ordinances. We contacted numerous AA's in different counties in Southern California in order to determine the various disclosure and BEP requirements. What we found was that each AA had a different way of doing virtually the same thing, with each agency having its own set of forms to fill out and return. Because PTC has so many different cell sites, we have established a computer database in which site information is stored. In an effort to keep things manageable and easily updatable in the future, we have designed a computerized disclosure/BEP form which we feel meets the requirements of each administering agency. They are uncomplicated and easily read due to their simplified nature. Since each PTC cell site is unmanned and usually consists only of a small building or room that houses electrical equipment and batteries, much of the information requested in the disclosure and BEP forms does not apply. Typical sites have a rack of twelve or twenty four batteries that are sealed lead acid or calcium lead gel cells. The only hazardous material in the batteries is dilute sulfuric acid with a specific gravity of approximately 1.3. Occasionally, diesel fuel or propane for emergency generator use will be stored in a tank outside of a site.

PTC presently has 2 sites in El Segundo, each of which contains more than 55 gallons of dilute sulfuric acid electrolyte in batteries, and may also contain a fuel tank with more than 55 gallons of diesel fuel or propane. Based on these amounts, we are enclosing a combined Disclosure/Business Emergency Plan for each site. A copy of the applicable BEP is kept at each site in the location shown on the Facility Plan. Two additional copies are kept on file at PTC.

There is presently no NFPA placarding at any of PTC's cell sites in Los Angeles County. PacTel Cellular recognizes their responsibility to provide placarding for emergency responders, but also realizes that one type of placard (NFPA 704) does not necessarily provide the best information. Since PacTel's sites range from rooms in or on top of high rise office buildings, to stand alone buildings in vacant lots, PTC would prefer not to install NFPA placarding at many of their sites. A case in point would be a site inside of a room within a high rise or other office building. Placing an NFPA 704 placard at the front door would possibly be upsetting to the property owner, tenants and customers, would serve very little purpose in the event of an emergency, and could even serve as a detriment to proper response. Based upon our meetings with responding and administering agencies, PacTel Cellular is willing to provide placarding at each site which will best meet the needs of each administering agency. Therefore, we ask that you review the choices offered on the enclosed form and select the choice, or choices, that best meet your requirements. We will provide the requested placarding as soon as we receive a response from your agency on the enclosed form. Please return the form to Radix Consulting, 23591 Avenida Topanga, Mission Viejo, CA 92691.

PTC wishes to comply with the requirements of each administering agency and we have made every effort to do so by developing a system that will facilitate reporting and data tracking. We hope that the enclosed disclosure/ BEP's will meet your requirements. Once we hear from you regarding placarding, we will see that it is done as soon as possible. Should you have any questions, please feel free to contact us at (714) 586-0216.

Sincerely,

Bruce L Spencer

Bruce L. Spencer
Radix Consulting

The following Placards are available:

NFPA 704:

Small (4"x4") shown

Large (14"x14")

Battery Acid:

Actual size, black on yellow

BATTERY ACID

POISON! DANGER!

STRONG OXIDIZER - CONTACT WITH OTHER MATERIALS MAY CAUSE FIRE. CAUSES SEVERE BURNS. MAY BE FATAL IF SWALLOWED.

Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.

EFFECTS OF OVEREXPOSURE: Liquid may cause severe burns to skin and eyes. Inhalation of vapors may cause coughing, chest pains, difficulty breathing, or unconsciousness. Ingestion may be fatal.

FIRST AID PROCEDURES: If swallowed, do NOT induce vomiting. If conscious, give water, milk, or milk of magnesia. In case of contact with skin or eyes, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean contaminated clothing before reuse. Discard contaminated shoes. In all cases, contact a physician.

Consult MSDS for further health and safety information. **CAS NO. [7664-93-9]**

Fill out this page and return to:
Radix Consulting
23591 Avenida Topanga
Mission Viejo, CA 92691

To PacTel Cellular:

Please placard your sites within our jurisdiction in the following manner:

- ☐ We do not require placarding of any kind.

Outside, stand alone sites:

- ☒ Large NFPA 704 placard.
- ☐ Small NFPA 704 placard.
- ☒ Battery Acid placard at entrance door of site.

Sites within other buildings:

- ☐ Large NFPA 704 placard at entrance to building.
- ☐ Small NFPA 704 placard at entrance to building.
- ☒ Small NFPA 704 placard at entrance door of site.
- ☒ Battery Acid placard at entrance door of site.

AUTHORIZATION:

Administering Agency: El Segundo F.D.

Name of person authorizing placarding: Steve Tsumura

Signature of person authorizing placarding: Steve Tsumura

Title of person authorizing placarding: Environmental Safety Coordinator

Phone number of person authorizing placarding: (310) 322-4311

Date of authorization: 1/24/94

EL SEGUNDO HAZARDOUS MATERIAL BUSINESS PLAN FORM

PART I

BUSINESS NAME
Hughes Space & Communications Company

BUSINESS ADDRESS
See Attachment #1

MAILING ADDRESS (if different)
P.O. Box 92919, Building S25, Mail Station C375, Los Angeles, CA 90009

BUSINESS PHONE
(310) 416-2256

NAME/CONTACT (during business hours)	**PHONE**
Thomas H. Ladwig Manager, Safety, Health, & Environmental Affairs.....	(310) 416-2256
CONTACT 1 EMERGENCY (after business hours) Hughes El Segundo North Site Fire Department.....	(310) 416-5301
CONTACT 2 EMERGENCY (after business hours) Hughes El Segundo North Site Plant Protection (Gate #3).....	(310) 607-2800
STANDARD INDUSTRY CODE (SIC) 3761 Guided missiles and space vehicles.....	**EPA ID#** CAD06897063

DESCRIPTION OF BUSINESS OPERATION
Manufacture of Satellites and Communication Equipment

PART II

ATTACH A COPY OF YOUR BUSINESS EMERGENCY PLAN OR RESPOND TO THE FOLLOWING ITEMS. (If you have an emergency plan it must by law contain the following items and must be approved by the El Segundo Fire Department regarding Hazardous Materials)

1. **Describe your procedure to notify the El Segundo Fire Department if a hazardous material release or spill occurs. Include title of person(s) designated to make notification**

   See Attachment #2 and #3

ALL RELEASES OR THREATENED RELEASES OF HAZARDOUS MATERIALS MUST BE REPORTED. REPORT RELEASES WHICH MAY THREATEN LIFE OR HEALTH BY DIALING 911. TO PREVENT OTHER RELEASES DIAL 322-4311 AND ASK FOR THE BATTALION CHIEF ON DUTY.

HUGHES
SPACE & COMMUNICATIONS
A HUGHES ELECTRONICS COMPANY

RECEIVED

FEB 26 1999

EL SEGUNDO
FIRE DEPT.

26 February 1999

James Carver
Fire Inspector
El Segundo Fire Department
314 Main Street
El Segundo, CA 90245-0989

Re: California Hazardous Materials Inventory Reporting Form – Chemical Description Pages, Business Plan Update, Hughes Space and Communications Company, El Segundo, California

Dear Mr. Carver:

Please find the attached California Hazardous Materials Inventory Reporting Form – Chemical Description Pages, an update to Hughes Space & Communications Company's business plan. These pages are intended to completely replace those pages currently residing in Appendix D of the business plan.

If you have any questions or need additional information, please feel free to contact me.

Sincerely,

HUGHES SPACE AND COMMUNICATIONS COMPANY

Suzelle Morrison
Environmental Specialist
Safety, Health and Environmental Affairs

Attachment
Hand-Delivered

Mailing Address: P.O. Box 92919
SC/S41/A320
Los Angeles, CA 90009

Telephone: (310) 364-8501

APPENDIX C
California Hazardous Materials Inventory Form - Chemical Description Page

Business Name: HUGHES SPACE & COMMUNICATIONS CO.

Chemical Location: BUILDING: S37 ROOM #: O/S

☐ ADDED ☐ DELETED ☐ REVISED

CHEMICAL NAME:

COMMON NAME: CHEM PRO 3030 C

CAS # :

Trade Secret: ☐

EHS: ☐

FIRE CODE HAZARD CLASSES:

TYPE: LIQUID

PHYSICAL STATE: MIXTURE

RADIOACTIVE:

FED HAZARD CATEGORIES: FIRE: ☐ HEALTH: ☐ REACTIVITY: ☐

STATE WASTE CODE:

UNITS OF MEASURE: GL

MAX DAILY AMOUNT: 25

DAYS/YEAR ON-SITE: 365

AVG. DAILY AMOUNT:

LARGEST CONTAINER:

ANNUAL WASTE QUANTITY:

STORAGE CONTAINER: P Other Container Type - Specify

STORAGE PRESSURE: 1 Ambient Pressure

STORAGE TEMPERATURE: 1 Ambient Temperature

	%	HAZARDOUS COMPONENT	EHS	CAS #
1		POTASSIUM HYDROXIDE		1310-58-3
2				
3				
4				
5				
6				
7				

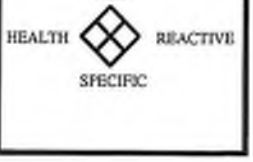
ADDITIONAL LOCALLY COLLECTED INFORMATION

RECEIVED

FEB 2 6 1999

EL SEGUNDO FIRE DEPT.

NFPA FIRE HAZARD DIAMOND



APPENDIX C
California Hazardous Materials Inventory Form - **Chemical Description Page**

Business Name: HUGHES SPACE & COMMUNICATIONS CO.

Chemical Location: BUILDING: S37 ROOM #: O/S

☐ ADDED ☐ DELETED ☐ REVISED

CHEMICAL NAME:
COMMON NAME: CHEM PRO 3030 C
CAS # :
Trade Secret: ☐
EHS: ☐

FIRE CODE HAZARD CLASSES:

TYPE: LIQUID
PHYSICAL STATE: MIXTURE
RADIOACTIVE:

FED HAZARD CATEGORIES: FIRE: ☐ HEALTH: ☐ REACTIVITY: ☐

STATE WASTE CODE:
UNITS OF MEASURE: GL
MAX DAILY AMOUNT: 110
DAYS/YEAR ON-SITE: 365
AVG. DAILY AMOUNT:
LARGEST CONTAINER:
ANNUAL WASTE QUANTITY:

STORAGE CONTAINER: B Drums/Barrels/Carboys
STORAGE PRESSURE: 1 Ambient Pressure
STORAGE TEMPERATURE: 1 Ambient Temperature

	%	HAZARDOUS COMPONENT	EHS	CAS #
1		POTASSIUM HYDROXIDE		1310-58-3
2				
3				
4				
5				
6				
7				

ADDITIONAL LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND
FIRE
HEALTH REACTIVE
SPECIFIC

5-37

Hughes Space and Communications Company
Hazardous Materails Business Plan
El Segundo, CA

RECEIVED

JUL - 7 1998

EL SEGUNDO
FIRE DEPT.

This information must be made available to emergency response personnel in the event of a Hazardous Materials incident or other emergency.

Any questions regarding this business plan can be directed to
Kim Monroe (310) 416-4426 with the
Safety, Health and Environmental Affairs office.

Prepared: May 29, 1987
Revised: 9/91, 2/94, 7/94, 12/94, 3/95, 7/95, 2/96, 12/96, 2/97, 10/97, & 6/98

Site Name: HUGHES SPACE & COMMUNICATIONS CO. BUILDING: S37 ROOM #: O/S Trade Secret ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: LIQUID | MIXTURE | UN DOT #:

HAZARD CATEGORIES: FIRE: HEALTH: REACTIVITY: | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
GL	100			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
	TOLYLTRIAZOLE	64665-57-2	
	SODIUM POLYACRYLATE	9003-04-7	
	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
D	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH / REACTIVE / SPECIFIC

Site Name: HUGHES SPACE & COMMUNICATIONS CO. BUILDING: ROOM #: Trade Secret ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: | UN DOT #:

HAZARD CATEGORIES: FIRE: HEALTH: REACTIVITY: | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
				365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH / REACTIVE / SPECIFIC

RECEIVED

MAR 1 0 1998

EL SEGUNDO
FIRE DEPT.

HUGHES
SPACE & COMMUNICATIONS
A HUGHES ELECTRONICS COMPANY

February 27, 1998

James Carver
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: 1998 Business Plan

Dear Mr. Carver,

Per our discussion on Feburaury 19, 1998, regarding the 1998 business plan update, Hughes Space and Communications Company (HSC) will not be submitting a business plan update in the beginning of 1998. HSC is planning on submitting the next HSC business plan to the El Segundo Fire Department (ESFD), when the ESFD is ready for electronic reporting, which is planned for April 1998. It is agreed between HSC and ESFD, that the recent September 1997 HSC business plan update meets the March 1, 1998, regulatory update deadline.

If you have any questions regarding this letter please call me at (310) 416-4426.

Sincerely,

Hughes Space and Communications Company

Kim Monroe
SHEA Specialist
Safety, Health and Environmental Affairs
P.O. Box 92919, S41/A320
Los Angeles, CA 90009

Hughes Space and Communications Company
P.O. Box 92919
Los Angeles, CA 90009

5-37

October 27, 1997

HUGHES
SPACE & COMMUNICATIONS
A HUGHES ELECTRONICS COMPANY

RECEIVED

OCT 30 1997

EL SEGUNDO
FIRE DEPT.

James Carver
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: Hughes Space and Communications Hazardous Materials Inventory Update

Dear Mr. Carver,

Attached is a copy of the Fall 1997 update of the Hughes Space and Communications (HSC) Company Business Plan. As discussed with Steve Tsumura on October 15, the Business Plan has been updated to include the HSC operations located off El Segundo Blvd. in the Hughes El Segundo South facility. Previously, the inventory had been reported under the Hughes Aircraft Company (HAC), Sensors and Communications Systems (SCS) business plan. The following attachments have been updated:

- Cover Page
- Building Locations Summary
- Emergency Equipment Inventory
- Site maps
- Emergency Hazmat Spill Notification

As an update, the split of Hughes Electronics and the merger of HAC with Raytheon is predicted for sometime at the end of the '97 calendar year. Following this predicted spilt, there will be service agreements between the two companies for a minimum of one year. Included in the service agreements is the Hughes Fire Dept. support, so emergency response will not change for at least one year.

If you have any questions regarding this document please call me at (310) 416-4426.

Sincerely,

Hughes Space and Communications Company

Kim Monroe
SHEA Specialist
Safety, Health and Environmental Affairs
P.O. Box 92919, S41/A320
Los Angeles, CA 90009

km\2cvrltr.doc
970094

Hughes Space and Communications Company
P.O. Box 92919
Los Angeles, CA 90009

Attachment # 10

Business Plan

Hazardous Materials Inventory

October 1997

Site Name: HUGHES SPACE & COMMUNICATIONS CO. BUILDING: S37 ROOM #: [illegible] Trade Secret ☐

☐ ADDED ☐ DELETED ☐ REVISED

Common Name: CHEM PRO 3036 AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: LIQUID | MIXTURE | UN DOT #:

HAZARD CATEGORIES: FIRE: HEALTH: REACTIVITY: | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
GL	100			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
	SODIUM POLYACRYLATE	9003-04-7	
	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	
	TOLYLTRIAZOLE	64665-57-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
R	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH / REACTIVE / SPECIFIC

Site Name: HUGHES SPACE & COMMUNICATIONS CO. BUILDING: S38 ROOM #: A2401O Trade Secret ☐

☒ ADDED ☐ DELETED ☒ REVISED

Common Name: ACETYLENE AHM ☐ CAS # : 74-86-2

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: GAS | PURE | UN DOT #:

HAZARD CATEGORIES: FIRE: 4 HEALTH: 1 REACTIVITY: 3 | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
CF	220			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	ACETYLENE	74-86-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
I	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH 4 / 1 / 3 REACTIVE / SPECIFIC

3-37

HUGHES
SPACE AND
COMMUNICATIONS
A unit of Hughes Aircraft Company

July 1, 1995

RECEIVED
JUL 7 1995
EL SEGUNDO
FIRE DEPARTMENT

Steve Tsumura
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: Update of the Business Plan and Hazardous Materials Inventory

Dear Steve,

Attached is one copy of the Business Plan and Hazardous Materials Inventory for Hughes Space and Communications Company.

If you have any questions please call me at (310) 416-2240.

Sincerely,

Hughes Space and Communications Company

Jane Ann Dove

Jane Ann Dove
Senior Environmental Engineer
Safety, Health and Environmental Affairs
P.O. Box 92919, S25/C375
Los Angeles, CA 90009

CITY OF EL SEGUNDO

HAZARDOUS MATERIAL BUSINESS PLAN

HUGHES SPACE &
COMMUNICATIONS COMPANY
El Segundo, CA

Prepared: May 29, 1987
Revised: 9/91, 2/94, 7/94, 12/94, 3/95, 7/95

El Segundo Fire Dept • Environmental Safety Division
Certified Unified Program Agency

00243
REFER REPLY TO:

Environmental Safety Div.
314 Main Street
El Segundo, CA 90245

INSPECTION REPORT

BUSINESS:	Contact:	DATE:
~~Boeing , Building S-30~~ 650 N. Sepulveda	Tim Harris	3/1/06
ADDRESS: 650 ~~950~~ N. Sepulveda Blvd.		Phone: (310)345-8780

The following items, if applicable, have been inspected. This document constitutes a Summary of Violations and Notice to Comply if the violation (V) column is checked. *Reference: Titles 19 and 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.67, and 6.95 of the Health and Safety Code (HSC), and El Segundo Municipal Code*

	HAZARDOUS WASTE GENERATOR				HAZARDOUS WASTE GENERATOR		
	V	SUBJECT	SECTION		V	SUBJECT	SECTION
1		Hazardous waste determination	CCR 66262.11	24		Manifest copies retained for 3 years	CCR 66262.40(a)
2		Proper disposal of hazardous waste	HSC 25189.5 (a)	25		Consolidated manifest requirements	HSC 25160.2
3		Maintain/operate to prevent release/fire	CCR 66265.31	26		Hazardous waste transported by registered hauler	HSC 25163(a)
4		Hazardous waste labeling	CCR 66262.34(f)	27		LDR documents retained onsite	CCR 66268.7(a)(6)
5		Hazardous waste accumulation time	CCR 66262.34(a-d)	28		Hazardous waste analysis retained for 3 years	CCR 66262.40(c)
6		Hazardous materials storage and labeling	CCR 66261.2(f)	29		Personnel training	CCR 66265.16
7		Satellite accumulation	CCR 66262.34(e)	30		Contingency plan	CCR 66265.51
8		Containers leaking or not in good condition	CCR 66265.171	31		Emergency preparedness/prevention	CCR 66265.30-.37
9		Hazardous waste containers closed	CCR 66265.173(a)	32		Source Reduction requirements for LQGs	CCR 67100.3
10		Separation of incompatibles	CCR 66265.177	33		Biennial Report requirements	CCR 66262.40-.41
11		Retrograde/accumulated speculatively	CCR 66262.10	34		Excluded recyclable material management	HSC 25143.2/.9
12		Empty containers	CCR 66261.7	35		Recyclable Material Report	HSC 25143.10
13		Used oil management	CHSC 25250.4	36		Site assessment requirements	HSC 25187(a)(1)
14		Used oil filter management	CCR 66266.130	37		Closure requirements	CCR 66265.111/114
15		Used battery management	CCR 66266.81	38		Reckless management of hazardous waste	HSC 25189.6
16		Contaminated textile management	HSC 25144.6	39		Other violation(s)	
17		Container inspection - weekly	CCR 66265.174			**HAZARDOUS MATERIALS HANDLER**	
18		Tank inspection - daily	CCR 66265.195	50		Contingency plan/inventory submitted	HSC 25503.5
19		Tank operating requirements	CCR 66265.194	51		Plan and inventory updated & accurate	HSC 25505
20		EPA ID number[call 800-618-6942]	CCR 66262.12	52		Regulated substance registration	HSC 25533(a)
21		Hazardous waste transported with manifest	CCR 66262.20			**ABOVEGROUND PETROLEUM STORAGE TANK**	
22		Hazardous waste manifest complete	CCR 66262.23(a)	60		SPCC Plan Referral to RWQCB (213) 576-6600	HSC 25270.3
23		Manifest copies to DTSC	CCR 66262.23(a)(4)	70		**PERMIT REQUIRED** – Submit UP Forms	Uniform Fire Code Sec.

☑ **NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.**

☐ **NOTICE OF VIOLATION: SHALL BE CORRECTED BY** _____.

☐ **NOTICE TO COMPLY: THE ITEMS CITED MUST BE CORRECTED BY** _____.

☐ **RETURN CERTIFICATION OF COMPLIANCE FOUND ON BACK OF THIS NOTICE.**

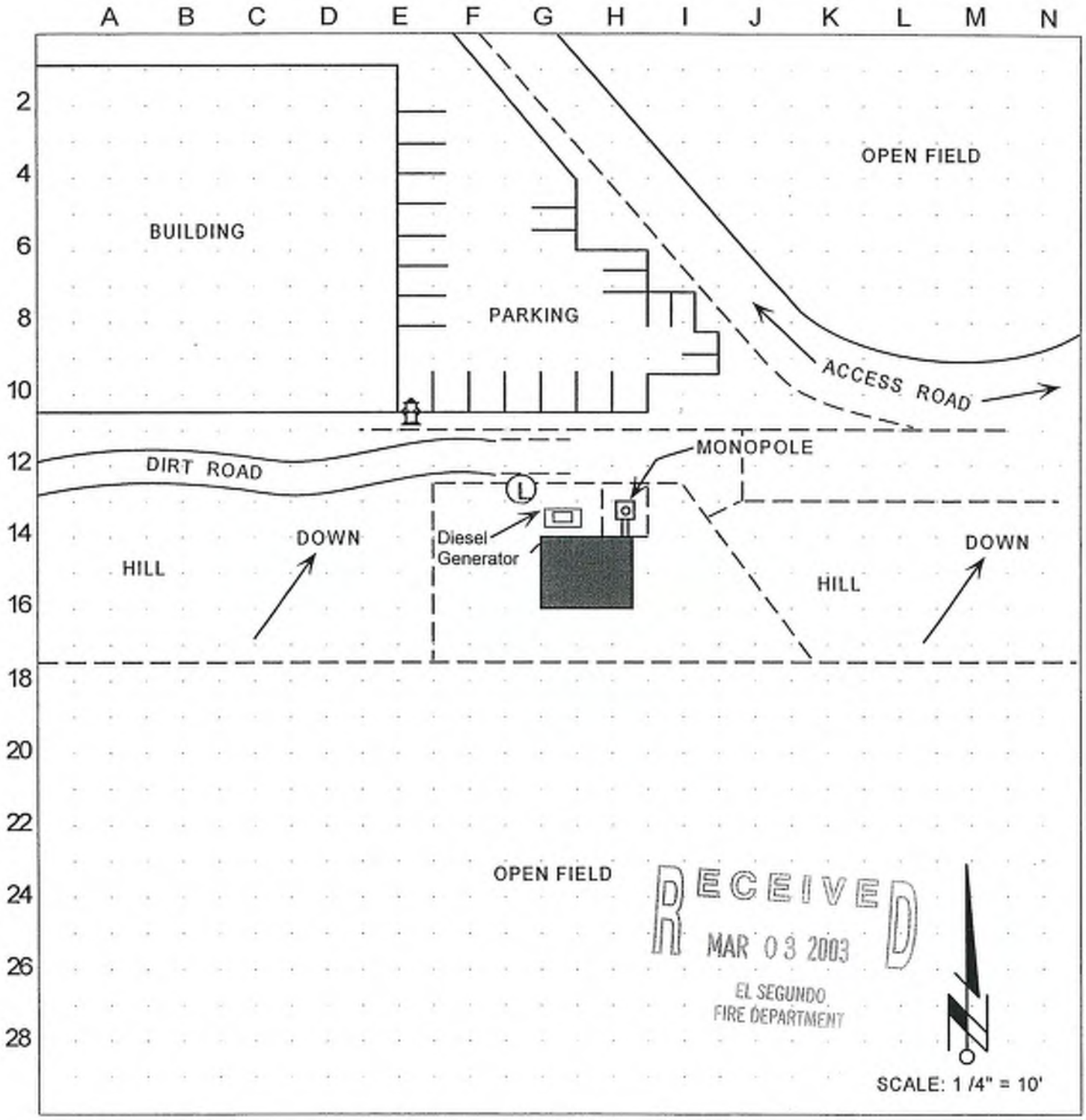
Attention: The items checked are in violation. A reinspection may occur at any time to verify compliance. Non-compliance could result in reinspection fees, permit revocation, and/or administrative/civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

Location / cause of violation(s): NO VIOLATIONS IN CHEMICAL STORAGE. CHECK FOR COMPRESSOR BLOW DOWN AT S.W. CORNER OF COMPRESSOR ROOM.

Inspected By:	Consent Given By:	Authorized Representative's Signature:
	Michael A Beasley	

RETURN "CERTIFICATION OF COMPLIANCE" WITHIN 35 DAYS

VERIZON WIRELESS
EL SEGUNDO
650 S. SEPULVEDA BOULEVARD, EL SEGUNDO, CA 90245

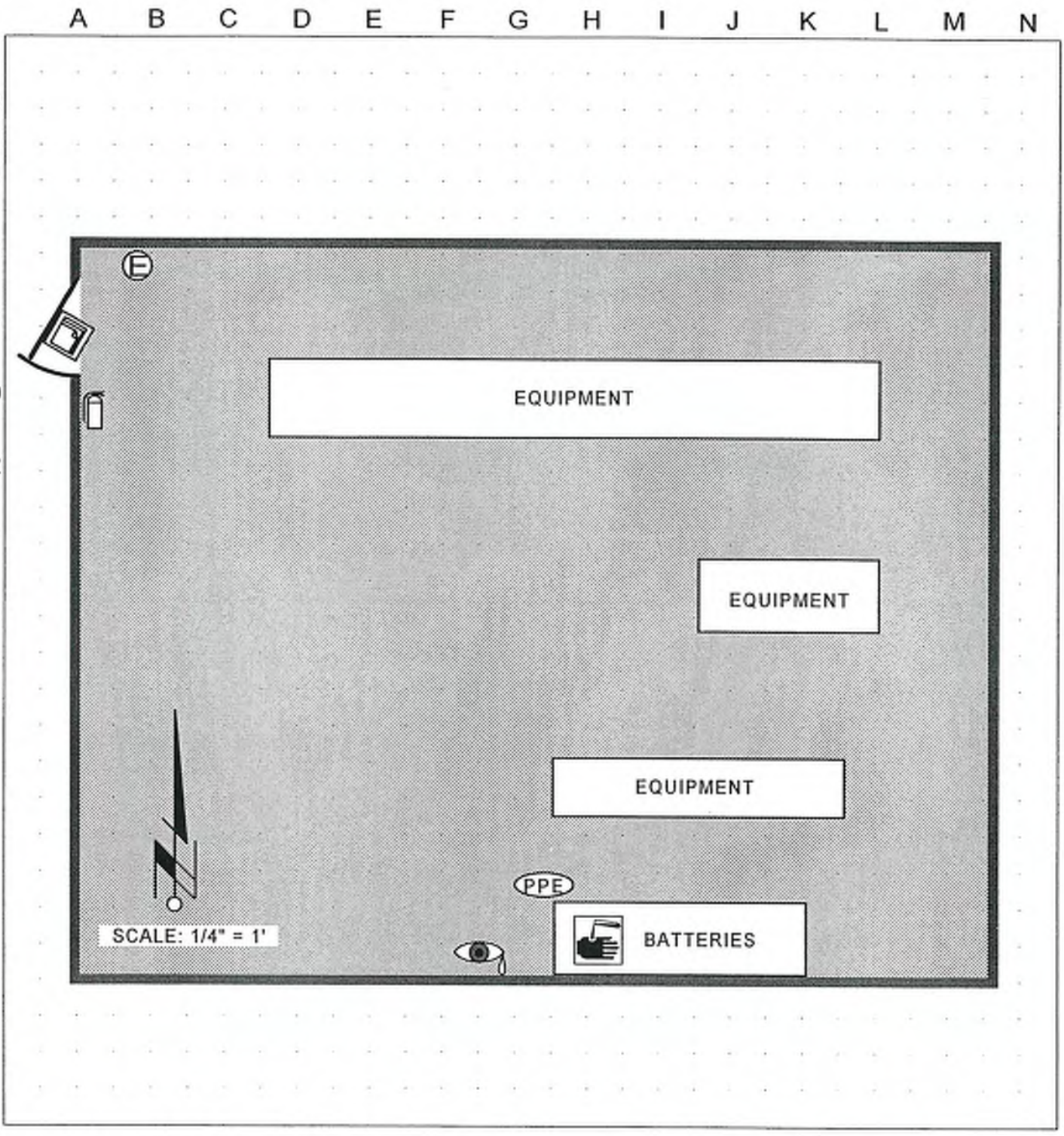


LEGEND: FIRE HYDRANT (L) LOCKED GATE

— — FENCE

EL SEGUNDO

650 S. SEPULVEDA BOULEVARD, EL SEGUNDO, CA 90245



LEGEND:

- HALON FIRE EXTINGUISHER
- ELECTRICAL PANEL
- PERSONAL PROTECTION EQUIPMENT
- MSDS & EMERGENCY PLAN
- EYEWASH SOLUTION

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Boeing Satellite Systems, Inc.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility…	If Yes, please complete these pages of the UPCF….	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	✔ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ✔ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ✔ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ✔ NO 7	UST TANK (closure portion -one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	✔ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	✔ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	✔ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☐ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ✔ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ✔ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1156)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ✔ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s

Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272;
Bldg. S15, 920 E. Imperial Hwy., CAD060897063;
Bldg. S4, 2240 E Imperial Hwy., CAL000068679;
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

RECEIVED
MAR - 1 2001
EL SEGUNDO
FIRE DEPT.

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S25 **ROOM #:** Q29101 — **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: UREA — AHM ☐ — CAS #: 57-13-6

Chemical Name: — STATE WASTE CODE:

PHYSICAL STATE	LIQUID	PURE	UN DOT #:
HAZARD CATEGORIES	FIRE: 0 HEALTH: 1 REACTIVITY: 0		UFC HAZARD CLASS:
UNITS OF MEASURE: GL	MAX DAILY AMOUNT: 132	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE: 365	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	UREA	57-13-6	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
E	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE 0, HEALTH 1, REACTIVE 0, SPECIFIC

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S37 **ROOM #:** FENCE D — **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 — AHM ☐ — CAS #:

Chemical Name: — STATE WASTE CODE:

PHYSICAL STATE	LIQUID	MIXTURE	UN DOT #:
HAZARD CATEGORIES	FIRE: HEALTH: REACTIVITY:		UFC HAZARD CLASS:
UNITS OF MEASURE: GL	MAX DAILY AMOUNT: 170	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE: 365	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
0	TOLYLTRIAZOLE		
0	SODIUM POLYACRYLATE		
0	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
P	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE, HEALTH, REACTIVE, SPECIFIC

February 27, 1997

RECEIVED

MAR - 3 1997

EL SEGUNDO
FIRE DEPT.

HUGHES
SPACE & COMMUNICATIONS
A HUGHES ELECTRONICS COMPANY

Steve Tsumura
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: Updated Business Plan

Dear Mr. Tsumura,

Attached is one copy of the 1997 update of the Business Plan and Hazardous Materials Inventory for Hughes Space and Communications Company.

Please notice, buildings S66, S67 and S52 have been removed from this years report. We moved out of S66 and S67 in June/July period, and S52 has been vacant for a few years.

If you have any questions regarding this document please give at (310) 416-4426.

Sincerely,

Hughes Space and Communications Company

Kim Monroe
SHEA Specialist
Safety, Health and Environmental Affairs
P.O. Box 92919, S41/A320
Los Angeles, CA 90009

City of El Segundo

Hazardous Materials Business Plan

Hughes Space and Communications Company
El Segundo, CA

Prepared: May 29, 1987
Revised: 9/91, 2/94, 7/94, 12/94, 3/95, 7/95, 2/96, 12/96, & 2/97

Site Name: HUGHES SPACE & COMMUN. ...IONS CO. **BUILDING:** S37 **ROOM #.** ...NCE | **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 AHM ☐ | CAS # :

Chemical Name: | STATE WASTE CODE:

PHYSICAL STATE: LIQUID | MIXTURE | UN DOT #:

HAZARD CATEGORIES: FIRE: | HEALTH: | REACTIVITY: | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
GL	160			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
0	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	
0	TOLYLTRIAZOLE	64665-57-2	
0	SODIUM POLYACRYLATE	9003-04-7	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
P	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE / HEALTH / REACTIVE / SPECIFIC

...e Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S38 **ROOM #:** A2401O | **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: ACETYLENE AHM ☐ | CAS # : 74-86-2

Chemical Name: | STATE WASTE CODE:

PHYSICAL STATE: GAS | PURE | UN DOT #:

HAZARD CATEGORIES: FIRE: 4 | HEALTH: 1 | REACTIVITY: 3 | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
CF	220			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	ACETYLENE	74-86-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
T	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE / HEALTH 4 / 1 / 3 REACTIVE / SPECIFIC

5-37

Attachment # 10

Current Hazardous Materials Inventory

December 1996

RECEIVED

DEC 23 1996

EL SEGUNDO
FIRE DEPT.

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S37 **ROOM #:** FENCE B **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE					UN DOT #:
LIQUID			MIXTURE		
HAZARD CATEGORIES	FIRE:	HEALTH:	REACTIVITY:		UFC HAZARD CLASS:
UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG DAILY AMOUNT:	LARGEST CONTAINER	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:
GL	160			365	DOT HAZARD CLASS:

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
0	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	
0	TOLYLTRIAZOLE	64665-57-2	
0	SODIUM POLYACRYLATE	9003-04-7	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
B	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND

FIRE / HEALTH / REACTIVE / SPECIFIC

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S38 **ROOM #:** A2401O **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: ACETYLENE AHM ☐ CAS # : 74-86-2

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE					UN DOT #:
GAS			PURE		
HAZARD CATEGORIES	FIRE 4	HEALTH 1	REACTIVITY: 3		UFC HAZARD CLASS:
UNITS OF MEASURE	MAX DAILY AMOUNT	AVG DAILY AMOUNT	LARGEST CONTAINER	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:
CF	220			365	DOT HAZARD CLASS:

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	ACETYLENE	74-86-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
J	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND

FIRE / HEALTH 1 4 2 / REACTIVE / SPECIFIC

5-37

Attachment # 10

Current Hazardous Materials Inventory

February 1996

RECEIVED

MAR - 6 1996

EL SEGUNDO
FIRE DEPT.

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S37 **ROOM #:** FENCE D **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: LIQUID | MIXTURE | UN DOT #:

HAZARD CATEGORIES: FIRE: HEALTH: REACTIVITY: | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
GL	160			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
0	TOLYLTRIAZOLE		
0	SODIUM POLYACRYLATE		
0	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
P	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH / REACTIVE / SPECIFIC

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S38 **ROOM #:** A2401O **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: ACETYLENE AHM ☐ CAS # : 74-86-2

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: GAS | PURE | UN DOT #:

HAZARD CATEGORIES: FIRE: 4 HEALTH: 1 REACTIVITY: 3 | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER:	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
CF	220			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	ACETYLENE	74-86-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
J	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND: FIRE / HEALTH 1 4 3 / REACTIVE / SPECIFIC

HUGHES
SPACE AND
COMMUNICATIONS
A unit of Hughes Aircraft Company

December 30, 1994

RECEIVED
JAN 3 1995
EL SEGUNDO
FIRE DEPARTMENT

Steve Tsumura
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re. Update of the Business Plan and Hazardous Materials Inventory

Dear Steve Tsumura,

Attached is one copy of the Business Plan and Hazardous Materials Inventory for Hughes Space and Communications Company.

If you have any questions please call me at (310) 416-2240.

Sincerely,

Hughes Space and Communications Company

Jane Ann Dove

Jane Ann Dove
Senior Environmental Engineer
Safety, Health and Environmental Affairs
P.O. Box 92919, S25/C375
Los Angeles, CA 90009

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S37 **ROOM #:** FENCE D **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: CHEM PRO 3036 AHM ☐ CAS # :

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: LIQUID | MIXTURE | UN DOT #:

HAZARD CATEGORIES: FIRE: 0 HEALTH: 0 REACTIVITY: 0 | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER :	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
GL	120			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
0	TOLYLTRIAZOLE	0	
0	SODIUM POLYACRYLATE	0	
0	1-HYDROXYETHYLIDINE-1,1-DIPHOSPHONIC ACID	2809-21-4	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
P	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE: 0 HEALTH: 0 REACTIVE: 0 SPECIFIC:

Site Name: HUGHES SPACE & COMMUNICATIONS CO. **BUILDING:** S38 **ROOM #:** A2401O **Trade Secret** ☐

☐ ADDED ☐ DELETED ☒ REVISED

Common Name: ACETYLENE AHM ☐ CAS # : 74-86-2

Chemical Name: STATE WASTE CODE:

PHYSICAL STATE: GAS | PURE | UN DOT #:

HAZARD CATEGORIES: FIRE: 4 HEALTH: 1 REACTIVITY: 3 | UFC HAZARD CLASS:

UNITS OF MEASURE	MAX DAILY AMOUNT:	AVG. DAILY AMOUNT:	LARGEST CONTAINER :	# DAYS/YEAR ON-SITE:	ANNUAL WASTE QUANTITY:	DOT HAZARD CLASS:
CF	220			365		

MIXTURE INFORMATION

% AMOUNT	INGREDIENT	CAS #	LOCAL USE
100	ACETYLENE	74-86-2	

STORAGE CODES & LOCATIONS

C	P	T	MAP #	LOCATOR	LOCATION DESCRIPTION	MAX AMT
J	1	1				

LOCALLY COLLECTED INFORMATION

NFPA FIRE HAZARD DIAMOND — FIRE: 4 HEALTH: 1 REACTIVE: 3 SPECIFIC:

El Segundo Fire Dept • Environmental Safety Division
Certified Unified Program Agency

00648
REFER REPLY TO:

Environmental Safety Div.
314 Main Street
El Segundo, CA 90245

INSPECTION REPORT

BUSINESS:	Contact:	DATE:
Boeing	Allison Bendush	7/13/09
ADDRESS:		Phone:
650 N. Sepulveda Blvd. Bldg S-37		(310) 345-8780

The following items, if applicable, have been inspected. This document constitutes a Summary of Violations and Notice to Comply if the violation (V) column is checked. *Reference: Titles 19 and 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.67, and 6.95 of the Health and Safety Code (HSC), and El Segundo Municipal Code*

HAZARDOUS WASTE GENERATOR				HAZARDOUS WASTE GENERATOR			
	V	*SUBJECT*	*SECTION*		V	*SUBJECT*	*SECTION*
1		Hazardous waste determination	CCR 66262.11	24		Manifest copies retained for 3 years	CCR 66262.40(a)
2		Proper disposal of hazardous waste	HSC 25189.5 (a)	25		Consolidated manifest requirements	HSC 25160.2
3		Maintain/operate to prevent release/fire	CCR 66265.31	26		Hazardous waste transported by registered hauler	HSC 25163(a)
4		Hazardous waste labeling	CCR 66262.34(f)	27		LDR documents retained onsite	CCR 66268.7(a)(6)
5		Hazardous waste accumulation time	CCR 66262.34(a-d)	28		Hazardous waste analysis retained for 3 years	CCR 66262.40(c)
6		Hazardous materials storage and labeling	CCR 66261.2(f)	29		Personnel training	CCR 66265.16
7		Satellite accumulation	CCR 66262.34(e)	30		Contingency plan	CCR 66265.51
8		Containers leaking or not in good condition	CCR 66265.171	31		Emergency preparedness/prevention	CCR 66265.30-.37
9		Hazardous waste containers closed	CCR 66265.173(a)	32		Source Reduction requirements for LQGs	CCR 67100.3
10		Separation of incompatibles	CCR 66265.177	33		Biennial Report requirements	CCR 66262.40-.41
11		Retrograde/accumulated speculatively	CCR 66262.10	34		Excluded recyclable material management	HSC 25143.2/.9
12		Empty containers	CCR 66261.7	35		Recyclable Material Report	HSC 25143.10
13		Used oil management	CHSC 25250.4	36		Site assessment requirements	HSC 25187(a)(1)
14		Used oil filter management	CCR 66266.130	37		Closure requirements	CCR 66265.111/114
15		Used battery management	CCR 66266.81	38		Reckless management of hazardous waste	HSC 25189.6
16		Contaminated textile management	HSC 25144.6	39		Other violation(s)	
17		Container inspection - weekly	CCR 66265.174			**HAZARDOUS MATERIALS HANDLER**	
18		Tank inspection - daily	CCR 66265.195	50		Contingency plan/inventory submitted	HSC 25503.5
19		Tank operating requirements	CCR 66265.194	51		Plan and inventory updated & accurate	HSC 25505
20		EPA ID number[call 800-618-6942]	CCR 66262.12	52		Regulated substance registration	HSC 25533(a)
21		Hazardous waste transported with manifest	CCR 66262.20			**ABOVEGROUND PETROLEUM STORAGE TANK**	
22		Hazardous waste manifest complete	CCR 66262.23(a)	60		SPCC Plan Referral to RWQCB (213) 576-6600	HSC 25270.3
23		Manifest copies to DTSC	CCR 66262.23(a)(4)	70		**PERMIT REQUIRED** – Submit UP Forms	Uniform Fire Code Sec.

☒ **NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.**

☐ **NOTICE OF VIOLATION: SHALL BE CORRECTED BY** _____.

☐ **NOTICE TO COMPLY: THE ITEMS CITED MUST BE CORRECTED BY** _____.

☐ **RETURN CERTIFICATION OF COMPLIANCE FOUND ON BACK OF THIS NOTICE.**

Attention: The items checked are in violation. A reinspection may occur at any time to verify compliance. Non-compliance could result in reinspection fees, permit revocation, and/or administrative/civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

Location / cause of violation(s): Two drums CT 531. Did not observe Sulfuric acid, chem pro 3160, or R11 Freon (chem. inv '08)

Other Haz mts are ~~not~~ listed on 2009 Business Plan; will update Plan (chem. inventory.

Inspected By:	Consent Given By:	Authorized Representative's Signature:
Lyly Churchill	Allison Bendush	

RETURN "CERTIFICATION OF COMPLIANCE" WITHIN 35 DAYS

February 29, 2000

RECEIVED

MAR - 1 2000

EL SEGUNDO
FIRE DEPT.

HUGHES
SPACE & COMMUNICATIONS

Mr. James Carver
El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA 90245

Re: Hughes Space and Communications Company, Business Plan Update

Dear Mr. Carver,

Attached is the 2000 update to Hughes Space and Communications Company's El Segundo Business Plan. Included in this submittal are the following items:

1. Completed Business Owner/Operator Identification form and updated responses to questions from the 1999 Business Plan submittal;
2. Completed Business Activity form;
3. Completed Recyclable Materials Report forms, pages 1 & 2;
4. "Floppy Disk" with complete HSC hazardous materials inventory for El Segundo sites.

If you have any questions regarding these materials, please call me at (310) 416-5291.

Sincerely,

Hughes Space and Communications Company

Duke Woodrick

Duke Woodrick
SHEA Fire Prevention
Safety, Health and Environmental Affairs

Mailing Address P.O. Box 92919, Bldg. S9/F331
Los Angeles, CA 90009

Enclosures

Hughes Space and Communications Company
P.O. Box 92919
Los Angeles, CA 90009

km\c\data\cmrtk\bp99\1cvrltr.doc
990015

ESD-61
REV 8/98

El Segundo Fire Department
Environmental Safety Division

OFFICIAL INSPECTION REPORT

Date: 11/8/00

DBA: Boeing Satellite Systems, 700 N. Sepulveda	**Facility ID #** 30-0159
LIST ORDER OF INSPECTION AS FOLLOWS: I. Opening Conference II. Walk Through III. Documents IV. Closing Conference V. Violations	

I. Met with Mr. Abel Ramirez, Fire Prevention Specialist for Boeing Satellite Systems to inspect facility for Disclosure & VFC programs. Mr. Ramirez gave consent to inspect.

II. Walked facility with Mr. Ramirez. Identified chemicals required for disclosure & VFC violations.

III. No documents reviewed.

IV. Reviewed inspection results with Mr. Ramirez.

V. Violations.

VFC violations identified on Fire/Life Safety Inspection Notice

1. Provide chemical inventory for compressed nitrogen in Sprinkler Control Room.

Wride, Diane

From: Seitz, David M [david.m.seitz@boeing.com]
Sent: Tuesday, July 11, 2006 2:08 PM
To: Wride, Diane
Subject: 2005/ 2006 CUPA Consolidated Permit Fee: Correction Required

Hello Diane,

Based on my review of the invoice for the 2005/ 2006 CUPA Consolidated Permit Fee (invoice # 9719), some corrections may be required.

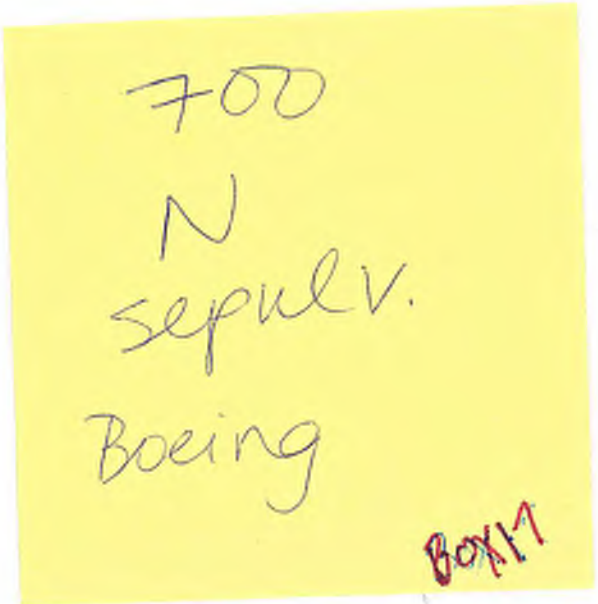
* Two or three building locations may have been included in error. Two of the building locations, 2000 E. El Segundo Blvd. (Bldg E01) and 700 N. Sepulveda Blvd. (Bldg S38) no longer contain hazardous materials greater than 55 gallons, 200 cubic feet, or 500 pounds as identified in the Business Plan submittal. The third location, 2240 E. Imperial Hwy. (Bldg S-4) is no longer occupied by Boeing Satellite Systems and was returned to the building owner on April 30, 2006. This building may or may not require a fee payment based on the lease termination date.

* In addition, two building locations may have been excluded in error. Two building locations, 2040 E. Mariposa St (Bldg S11) and 900 N. Sepulveda Blvd. (Bldg S31), that contain hazardous materials greater than 55 gallons, 200 cubic feet, or 500 as identified in the Business Plan submittal are not included on the 2005/ 2006 CUPA Consolidated Permit Fee invoice.

At your earliest convenience please confirm the correctness of the invoice, or provide me with guidance for correction so that I may pay the correct fee due.

Thank you,

David Seitz
Boeing Satellite Systems, Inc.
(310) 345-8776



ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	EPA ID # (Hazardous Waste Only)
1 9 0 1 3	*See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As)
Hughes Space and Communications Company

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion --one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☒ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s: Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272
Bldg. S4, 2240 E. Imperial Hwy., CAL000068679
Bldg. S15, 920 E. Imperial Hwy., CAD060897063
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	9		0	1	3									1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Boeing Satellite Systems, Inc.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF....
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion-one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☒ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1222)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s: Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272
Bldg. S4, 2240 E. Imperial Hwy., CAL000068679
Bldg. S15, 920 E. Imperial Hwy., CAD060897063
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

October 19, 2000

El Segundo Fire Department
Hazardous Materials Division
214 Main Street
El Segundo, CA. 90245

RECEIVED
OCT 27 2000
EL SEGUNDO
FIRE DEPT.

Attn.: James Carver

BOEING

Subject: Company Business Name Change

Dear Mr. Carver,

Effective October 7, 2000, the business formerly known has Hughes Space and Communications Company, has undergone a name change. The Company will now be known as Boeing Satellite Systems, Inc.

Please note the name change will affect the following:

1. El Segundo Hazardous Material Business Plan (an updated Business Plan without appendices is attached)
2. Uniform Fire Permits City of El Segundo
3. The El Segundo Hazardous Waste/Hazardous Material "CUPA" Permits

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-4426.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S41/A320
Los Angeles, CA 90009

Fax: (310) 416-2211

DATA ENTRY SHEET—UNIFIED PROGRAM INSPECTION & ENFORCEMENT ACTIVITIES

FACILITY ID# [1] 1 9 0 1 3 3 0 0 1 5 9 — EPA ID# [2]

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) [3]: Boeing Satellite Systems, Inc 700 N. Sepulveda Bl.

	PROGRAM ELEMENTS										
	a. HM	b. Cal ARP	c. UST	d. AST/ SPCC	e. HWG	f. LQG	g. RCY	h. PBR	i. CA	j. CE	k. HHW
DATE INSPECTION COMPLETED (YYYYMMDD) 906	11/8/00										
PROGRAM ELEMENTS INCLUDED (Y/N) 905	Y	N	—	—	—	—	—	—	—	—	N
TYPE OF INSPECTION (R-routine or O-other) 907	R	N/A	—	—	—	—	—	—	—	—	N/A
NUMBER OF VIOLATIONS											
CLASS I (hazardous waste only) 910											
CLASS II (hw only, excludes minor) 911											
MINOR (hazardous waste only) 912											
OTHER (non-hw only) 913	1	—	—	—							
ENFORCEMENT INFORMATION											
DATE OF ENFORCEMENT ACTION (YYYYMMDD) 915	11/20/00										
TYPE OF ENFORCEMENT ACTION 914											
a. INFORMAL (Y/N)	Y										
b. REFERRAL TO STATE AGENCY (Y/N)											
c. FORMAL ORDER (Y/N)											
d. REFERRAL TO ATTORNEY (Y/N)											
TYPE OF FORMAL ENFORCEMENT ACTION a = Administrative, b = Civil, c = Criminal 916											
DOCKET NUMBER (if civil or criminal) (up to 13 characters) 918											
DATE RETURNED TO COMPLIANCE (YYYYMMDD) 917	3/1/01										
FINAL FINE OR PENALTY ASSESSED (by PE) 919	$	$	$	$	$	$	$	$	$	$	$

FINAL FINE OR PENALTY ASSESSED TOTAL $$ 919 $

FINAL FINE OR PENALTY COLLETECT = TOTAL 920 $

UNIFIED PROGRAM INSPECTION CATEGORIES (Y/N each) 909: a. Single ; b. Combined Routine ; c. Joint ; d. integrated/ multimedia

PROGRAM SPECIFIC INFORMATION

HAZARDOUS WASTE GENERATOR		CALARP PROGRAM		TIERED PERMITTING RELEASES	
RCRA Large Quantity Generator (Y/N) 900		Stationary Source (Y/N) 902		Date of Release (YYYYMMDD) 922	
California-Only Hazardous Waste (Y/N) 901		Multiple Stationary Sources (Y/N) 903		Date Corrective Action Completed (YYYYMMDD) 924	
		RMP Waived (Y/N) 904		Description of Release (use separate sheet – limit to 200 characters) 923	
		CalARP Audit (Y/N) 908			
INDUSTRIAL WASTE		**STORMWATER**		**ABOVE GROUND TANK**	
SIU (Y/N)		SWPPP Required (Y/N)		SPCC Available (Y/N)	
Quarterly Monitoring (Y/N)		Drains Identified (Y/N)		P. E. Approved (Y/N)	

INSPECTOR NAME Carver DATE: 11/20/00 PHONE NUMBER: _____

SUPERVISOR NAME _____

ESD-32
REV 8/99

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only) *See Below

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

Boeing Satellite Systems, Inc.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility…	If Yes, please complete these pages of the UPCF….	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	✔ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ✔ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ✔ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ✔ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	✔ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	✔ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	✔ YES ☐ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☐ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ✔ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ✔ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ✔ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

(You may also be required to provide additional information by your CUPA or local agency.)

*EPA ID #s

Bldg. E4, 2006 E. El Segundo Blvd., CAR000034272;
Bldg. S15, 920 E. Imperial Hwy., CAD060897063;
Bldg. S4, 2240 E Imperial Hwy., CAL000068679;
Bldg. S37/38, 650-700 N. Sepulveda Blvd., CAL000121434

RECEIVED
MAR - 1 2001
EL SEGUNDO
FIRE DEPT.

CERTIFIED UNIFIED PROGRAM AGENCY

El Segundo Fire Department

314 Main Street, El Segundo, CA 90245

HAZARDOUS WASTE AND HAZARDOUS MATERIALS MANAGEMENT REGULATORY PROGRAM

PERMIT

Permit Number: 30-0159

BOEING SATELLITE SYSTEMS, INC.
ANU B. GARG, M/S: SC/S41/A320
P. O. BOX 92919
LOS ANGELES CA 90009-2919

Facility Operator, Name, and Address

Boeing Satellite Systems, Inc.
Boeing Satellite Systems, Inc.
700 N. Sepulveda Bl. Bldg. S-38
El Segundo, CA 90245

Business is permitted in the following CUPA Programs:

- ☑ Hazardous Material Business Plan
- ☐ California Accidental Release Plan (CalARP)/Accidental Release Plan (ARP)
- ☐ Hazardous Waste Generator.
- ☐ Hazardous Waste Treatment on site
- ☐ Storage of hazardous materials in underground tanks.
- ☐ Uniform Fire Code Activities requiring permit.
- ☐ Industrial Wastewater Pretreatment Permit

☐ New ☑ Annual ☐ Other ☐ Renewal

CERTIFICATION

This permit is issued based on the condition that the applicant and the facility is in compliance with all applicable rules, regulations and laws pertaining to these permitted programs. Failure to comply with all applicable codes and regulations will null and void this permit. See attached conditions of approval for each CUPA Program.

Signature Steve Tsumura Title Environmental Safety Manager

Printed name Steve Tsumura Date Issued 10/01/2003

Expiration Date 09/30/2004

PERMIT CONDITIONS

Permit No: 30-0159 Facility: Boeing Satellite Systems, Inc.

In order to maintain the operating permit, the permit holder must comply with all regulatory requirements, to include, but not all inclusive of the number items below:

* Hazardous Materials Business Plan Program, CHSC Division 20, Chapter 6.95, Article 1 and Title 19 CCR.
  1. Changes in the hazardous materials inventory which include the handling of a previously undisclosed or handling double the amount of a previously disclosed hazardous material must be reported to the CUPA or Participating Agency (PA) within thirty (30) days.
  2. Major changes in the business plan, including the change of name or phone number of 24 hour emergency contacts, must be reported to the CUPA or PA within thirty (30) days.

City of El Segundo

Craig S. Pedego, *Fire Chief*

January 30, 2001

Elected Officials:
Mike Gordon,
Mayor
Sandra Jacobs,
Mayor Pro Tem
Nancy Wernick
Councilmember
John Gaines
Councilmember
Kelly McDowell,
Councilmember
Cindy Mortesen,
City Clerk
Ralph Lanphere,
City Treasurer

Appointed Officials:

Mary Strenn,
City Manager
Mark D. Hensley,
City Attorney

Department Directors:

James Hansen,
Community & Economic
Development Services
Director
Bret Plumlee,
Finance Director
Craig S. Pedego,
Fire Chief
Jeff Stewart,
Assistant City Mgr.
Debra Brighton,
Library Director
Timothy Grimmond,
Police Chief
Andres Santamaria,
Public Works
Director
Greg Johnson,
Recreation & Parks
Director

www.elsegundo.org

Anu Garg
Boeing Satellite Systems, Inc.
P. O. Box 92919
Los Angeles, CA 90009

Reference: Electronic Submittal of Chemical Inventory

Dear Ms. Garg:

Thank you for participating in the City of El Segundo Fire Department's electronic data transfer program for the submittal of your chemical inventory. Based on regulations adopted on January 8, 1999 concerning the new Unified Program Consolidated Forms, we are looking forward to receiving your chemical inventory within the next 30 days. Enclosed with this letter is instruction on how to submit the chemical inventory electronically, and 3 1/2-inch floppy discs to store the data. To transfer the data, you will need the computer program Microsoft Access 97.

Included also are the forms "Business Activities" (form ESD-32) and "Business Owner/Operator Identification" (form ESD-38). After the inventory is updated, please submit the updated inventory (on the provided floppy discs) and completed forms to the Department. You may either mail or drop off the floppy discs to the El Segundo Fire Department at 314 Main Street, El Segundo, CA 90245.

Please be advised that the due dates identified on the Notice to Comply's, issued November 20, 2000 for 2006, 2012, 2030 and 2040 East Imperial Highway, 901 North Nash Street and 700 North Sepulveda Boulevard, and on December 23, 2000 for 950 North Sepulveda Boulevard are extended to march 1, 2001. This addition is provided to allow Boeing Satellite Systems, Inc. time to provide the chemical inventory in an electronic format that is compatible with the Department's Environmental Safety Division's computer system.

314 Main Street
El Segundo, CA 90245-3887
Phone (310) 524-2300 Fax (310) 414-0929

If you have any questions, comments, or ideas for improving the electronic data transfer program, please contact me by e-mail at jcarver@elsegundo.org, or by telephone at (310) 524-2239.

Sincerely,

James J. Carver
Principal Fire Prevention Specialist

CERTIFIED UNIFIED PROGRAM AGENCY
El Segundo Fire Department
314 Main Street, El Segundo, CA 90245
HAZARDOUS WASTE AND HAZARDOUS MATERIALS
MANAGEMENT REGULATORY PROGRAM

Date: November 20, 2000 **Permit Number: 30-0159**

BOEING SATELLITE SYSTEMS, INC.
P. O. BOX 92919
LOS ANGELES CA 90009-2919

Facility Operator, Name, and Address
Hughes Space and Communications Co
Boeing Satellite Systems, Inc.
700 N. Sepulveda Bl.
El Segundo, CA 90245

NOTICE TO COMPLY

Conditions to Remedy:

HMMP Inspection

	Violation	Inspector	Inspect Date	Due Date
1	CA H&SC Section 25509(a) requires specific information to be reported to the administering agency as noted on the state reporting form.	James Carver	11/08/2000	12/08/2000
	Chemical inventory provided is not convertible to ESFD system, and does not print in state format.			

Uniform Fire Code Inspection

	Violation	Inspector	Inspect Date	Due Date
1	UFC 1001.5.1 requires the maintenance of sprinkler systems or fire suppressiondetection appliances in operative condition to be in accordance with UFC Article 10.	James Carver	11/8/00	12/8/00
	Have fire alarm system tested by authorized persons.			
2	UFC 1103.3.2.4 prohibits combustible material storage in boiler rooms, mechanical rooms or electrical rooms.	James Carver	11/8/00	12/8/00
	Remove combustible storage from 2nd floor Mechanical.Electrical Room.			
3	UFC 1111.2.1 requires fire assemblies (doors, windows) to be maintained as specified in the Building Code.	James Carver	11/8/00	12/8/00
	Repair the following fire rated doors not self-closing or latching: Door to Janitor Room near Room A1602, Door to Men's restroom (Ist floor, North).			
4	Provide operational exit signs	James Carver	11/8/00	12/8/00
	Repair or replace non-functioning illuminated exit signs in the following locations: Corridor outside of Room A1602, Corridor outside of Room 1004, Throughout 2nd Floor.			
5	UFC 7401.6.4 requires all compressed gas containers, cylinders and tanks to be secured to prevent falling due to contact, vibration, or seismic activity.	James Carver	11/8/00	12/8/00
	Secure nitrogen cylinders in Sprinkler Control Room.			
6	Maintain at least 18" clearance beneath fire sprinklers, and 2 feet in non-sprinklered buildings.	James Carver	11/8/00	12/8/00
	Reduce storage to a minimum of 18 inches below fire spinkler heads in EMI 3			

7	UFC 1001.5.1 requires the maintenance of sprinkler systems or fire suppressiondetection appliances in operative condition to be in accordance with UFC Article 10. Secure horn/strobe device in EMI-3	James Carver	11/8/00	12/8/00
8	UFC 8509.2 requiresthat electrical panels be accessible during an emergency. Remove obstructions at electrical panels in EMI-2	James Carver	11/8/00	11/8/00
9	UFC section 1211 requires means of egress illumination to be provided and maintained. This includes 24 hour lighting, and emergency lighting equipment. Repair emergency lighting in esat vestibule from EMI-2.	James Carver	11/8/00	12/8/00
10	Provide operational exit signs Replace expired self-illuminated exit signs throughout building.	James Carver	11/8/00	12/8/00
11	NPPA 13, 9-1.1 does not allow openings in a ceiling where the fire sprinkler system is not designed for openings. Penetrations such as broken or missing ceiling tiles or holes are not allowed. Ceiling tiles missing in Room 1001,	James Carver	11/8/00	12/8/00

Failure to remedy the violations by the due date indicated will result in this agency taking further regulatory action or recovery action. Regulatory action may include, but is not limited to, suspension, modification, or revocation of a permit, or institution of abatement or other proceedings by this agency to correct the condition.

Any questions regarding this notice should be addressed to the lead CUPA, as indicated on this notice.

Sincerely,

James Carver
Principal Fire Prevention Spec.

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

February 28, 2001

James Carver
El Segundo Fire Department
Hazardous Materials Division
314 Main Street
El Segundo, CA. 90245

Subject: Electronic Submittal of Chemical Inventory and Updated Business Plan for 2001

BOEING

Dear Mr. Carver,

In response to the Notice to Comply issued on November 20, 2000 for Buildings S10, S47, S48, and S49 and the Notice to Comply issued on December 23, 2000 for Building S30, we have updated and transferred our chemical inventory to the electronic format you requested. In addition, I am submitting a complete up to date copy of the El Segundo Hazardous Material Business Plan for your records.

This includes twenty 3 1/2 – inch floppy discs with the appropriate chemical inventory data.

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-4426.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S41/A320
Los Angeles, CA 90009

Fax: (310) 416-2211

RECEIVED
MAR - 1 2001
EL SEGUNDO
FIRE DEPT.

ESD – 251
05/01

El Segundo Fire Department
Environmental Safety Division
314 Main Street
El Segundo, CA 90245
(310) 524-2395

Business Plan/Chemical Inventory Inspection Report

Facility Address: 700 N. Sepulveda Bl.

Business Name: Boeing Satellite Systems, Inc. Inspection Date: 10/18/01

Site Contact: Abel Ramirez Telephone: 310/416-5282

Contact Signature: A. Ramirez Permitting Consent to Inspect

The following violations have been identified and must be corrected within 30 days to prevent further enforcement actions:

☐ Business Plan/Chemical Inventory not submitted to ESFD (H&SC § 25503.5)
To Correct: _____

☒ Annual/updated chemical inventory not submitted to ESFD (H&SC § 25505)
To Correct: All data elements not provided.

☐ Employee training records incomplete/missing (CCR T-19 § 2732)
To Correct: _____

☐ Unauthorized release of hazardous materials (UFC § 7901.7.1; 8001.5.1)
To Correct: _____

☐ Chemical release not reported to ESFD and CAOES Warning Center (H&SC § 25507)
To Correct: _____

☐ Chemical storage and use areas not identified by signs (UFC § 7901.9; 8001.7)
To Correct: _____

☐ _____

_____

_____

_____

Inspected By: James J. Carver (Print Name) _____ (Signature)

Report Received By: A. Schuster (Print Name) A. Ramirez (Signature)

Original – Fire Department Yellow – Site Copy/Initial Inspection Pink-Site Copy/Reinspection

ESD – 251
05/01

El Segundo Fire Department
Environmental Safety Division
314 Main Street
El Segundo, CA 90245
(310) 524-2395

Business Plan/Chemical Inventory Inspection Report

Facility Address: 700 N. Sepulveda Bl.

Business Name: Boeing Satellite Systems, Inc. Inspection Date: 10/18/01

Site Contact: Abel Ramirez Telephone: 310/416-5288

Contact Signature: A. Ramirez Permitting Consent to Inspect

The following violations have been identified and must be corrected within 30 days to prevent further enforcement actions:

☐ Business Plan/Chemical Inventory not submitted to ESFD (H&SC § 25503.5)
To Correct: _____

☒ Annual/updated chemical inventory not submitted to ESFD (H&SC § 25505)
To Correct: All data elements not provided.

☐ Employee training records incomplete/missing (CCR T-19 § 2732)
To Correct: _____

☐ Unauthorized release of hazardous materials (UFC § 7901.7.1; 8001.5.1)
To Correct: _____

☐ Chemical release not reported to ESFD and CAOES Warning Center (H&SC § 25507)
To Correct: _____

☐ Chemical storage and use areas not identified by signs (UFC § 7901.9; 8001.7)
To Correct: _____

☐ _____

_____

_____

_____

Inspected By: James J. Carver (Print Name) _____ (Signature)

Report Received By: A. Ramirez (Print Name) A. Ramirez (Signature)

Original – Fire Department Yellow – Site Copy/Initial Inspection Pink-Site Copy/Reinspection

CERTIFIED UNIFIED PROGRAM AGENCY
El Segundo Fire Department
314 Main Street, El Segundo, CA 90245
HAZARDOUS WASTE AND HAZARDOUS MATERIALS
MANAGEMENT REGULATORY PROGRAM

Date: October 20, 2001 **Permit Number: 30-0159**

BOEING SATELLITE SYSTEMS, INC.
P. O. BOX 92919
LOS ANGELES CA 90009-2919

Facility Operator, Name, and Address

Boeing Satellite Systems, Inc.
700 N. Sepulveda Bl.
El Segundo, CA 90245

NOTICE TO COMPLY

Conditions to Remedy:

HMMP Inspection

Violation	Inspector	Inspect Date	Due Date
1 CA H&SC Section 25509(a) requires specific information to be reported to the administering agency as noted on the state reporting form. Submitted chemical inventory does not include all data elements. Provide revised chemical inventory with all required data elements.	James Carver	10/18/2001	11/18/2001

Failure to remedy the violations by the due date indicated will result in this agency taking further regulatory action or recovery action. Regulatory action may include, but is not limited to, suspension, modification, or revocation of a permit, or institution of abatement or other proceedings by this agency to correct the condition.

Any questions regarding this notice should be addressed to the lead CUPA, as indicated on this notice.

Sincerely,

James Carver
Principal Fire Prevention Spec.

This document serves as confirmation that the El Segundo Fire Department received the Boeing Satellite Systems Company 2002 Business Plan update in the form of the following materials:

1. Completed Business Owner/Operator Identification form and updated responses to questions from the 2002 Business Plan submittal;
2. Completed Business Activity form;
3. Completed Recyclable Materials Report forms, pages 1 & 2;
4. " 19 - Floppy Disks" with complete BSS hazardous materials inventory for El Segundo sites.

Received by (printed name) STEVE TSUMURA Date 2/25/02 Time 3:10 pm

(Signature) Steve Tsumura

RECEIVED
FEB 25 2002
EL SEGUNDO
FIRE DEPARTMENT

ESD – 251
05/01

El Segundo Fire Department
Environmental Safety Division
314 Main Street
El Segundo, CA 90245
(310) 524-2395

Business Plan/Chemical Inventory Inspection Report

Facility Address: 700 N. Sepulveda Bl.

Business Name: Boeing Satellite Sys. Inspection Date: 10/15/02

Site Contact: Abel Ramirez Telephone: 310/416-5288

Contact Signature: A. Ramirez Permitting Consent to Inspect

The following violations have been identified and must be corrected within 30 days to prevent further enforcement actions:

☐ Business Plan/Chemical Inventory not submitted to ESFD (H&SC § 25503.5)
To Correct: _____

☐ Annual/updated chemical inventory not submitted to ESFD (H&SC § 25505)
To Correct: _____

☐ Employee training records incomplete/missing (CCR T-19 § 2732)
To Correct: _____

☐ Unauthorized release of hazardous materials (UFC § 7901.7.1; 8001.5.1)
To Correct: _____

☐ Chemical release not reported to ESFD and CAOES Warning Center (H&SC § 25507)
To Correct: _____

☐ Chemical storage and use areas not identified by signs (UFC § 7901.9; 8001.7)
To Correct: _____

☐ No Violations

Inspected By: James J. Carver (Print Name) _____ (Signature)

Report Received By: A. Ramirez (Print Name) A. Ramirez (Signature)

Original - Fire Department Yellow - Site Copy/Initial Inspection

Boeing Satellite Systems, Inc.
P.O. Box 92919
Los Angeles, CA 90009-2919

February 28, 2003

James Carver
El Segundo Fire Department
Hazardous Materials Division
314 Main Street
El Segundo, CA. 90245

Subject: Electronic Submittal of Chemical Inventory and Updated Business Plan for 2003

BOEING

Dear Mr. Carver,

I am submitting a complete up to date copy of the El Segundo Hazardous Material Business Plan for your records, and twenty-one 3 1/2 – inch floppy discs with the appropriate chemical inventory data.

If you have any questions regarding this subject, or require additional information, please contact me at (310) 416-0809.

Sincerely,

Anu B. Garg
SHEA Specialist
Safety, Health and Environmental Affairs

Boeing Satellite Company
P.O. Box 92919 S70/712
Los Angeles, CA 90009

Fax: (310) 416-0850

RECEIVED
FEB 28 2003
EL SEGUNDO
FIRE DEPARTMENT

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

April 24, 2018

Mr. Johnny Lopez
Equinix Communications
445 N. Douglas Street
El Segundo, California 90245

Underground Storage Tank Program – Case Closure
Equinix Communications
1920 E. Maple Avenue, El Segundo
Case No. R-10916A; Global ID. T10000010173; Priority D-1

Dear Mr. Lopez:

This letter confirms the completion of a site investigation and corrective action for the recent underground piping replacement and upgrades associated with the existing underground storage tank(s) located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground piping replacement and upgrades are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or

- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

If you have any questions concerning this matter, please contact Mr. Joshua Cwikla at (213) 576-6713 or joshua.cwikla@waterboards.ca.gov

Sincerely,

Deborah J. Smith
Executive Officer

cc: Micah Reich, State Water Resources Control Board, UST Cleanup Fund
James Carver, Fire Marshall, City of El Segundo Fire Department
Brian Partington Water Replenishment District of Southern California
Sujanitha Sambasivan, Equinix Communications
Sam Haber, AECOM
Vern Elarth, AECOM

Copy by mail:

Popkin Realty Co, adjacent land owner
20807 Belshaw Avenue Partners, adjacent land owner
Kramer Gary, adjacent land owner
Nineteen Twenty Four LLC, adjacent land owner
Essanay Enterprises, adjacent land owner
Charlotte C Rabin Et Al Tr; Rabin Trusts Partnership, adjacent land owner
Aerospace Center, adjacent land owner

Los Angeles Regional Water Quality Control Board

April 24, 2018

Mr. Johnny Lopez
Equinix Communications
445 N. Douglas Street
El Segundo, California 90245

UNDERGROUND STORAGE TANK PROGRAM: TRANSMITTAL OF CLOSURE LETTER

Equinix Communications
1920 E. Maple Avenue, El Segundo
Case No. R-10916A; Global ID. T10000010173; Priority D-1

Dear Mr. Lopez:

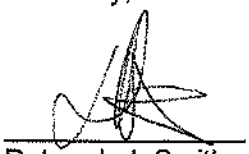
Attached please find the closure letter for the subject site. The current record fee title owners were notified of the proposed closure in accordance with Section 25296.20 of Chapter 6.7 of the Health and Safety Code. The California Regional Water Quality Control Board, Los Angeles Region (Los Angeles Regional Board) sent a public notification of the proposed case closure to all interested parties, which included a 60-day public comment period. No comments were received.

Based on the site specific information and data available in GeoTracker and the Los Angeles Regional Board's case file, we conclude that this case meets all the criteria of the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy and that a case closure determination is appropriate.

Site data indicate that there may be residual petroleum hydrocarbons in soil, groundwater, and/or vapor at this site that could pose an unacceptable risk as a result of future construction/redevelopment activities, such as on- or off-site excavations, the installation of water wells at or near the site, or change to a more sensitive land use from commercial use. Responsible parties, land owners, and contractors performing subsurface activities at the site should be prepared to encounter soil, groundwater, and/or vapor contaminated with petroleum hydrocarbons. Appropriate health and safety equipment and protocols should be used, and any encountered pollution should be managed properly to avoid threats to human health or the environment.

Please contact Mr. Daniel P. Pirotton at (213) 576-6714 or at daniel.pirotton@waterboards.ca.gov if you have any questions.

Sincerely,



Deborah J. Smith
Executive Officer

Attachment: Los Angeles Regional Board Closure Letter dated April 24, 2018

cc: Micah Reich, State Water Resources Control Board, UST Cleanup Fund
James Carver, Fire Marshall, City of El Segundo Fire Department
Brian Partington Water Replenishment District of Southern California
Sujanitha Sambasivan, Equinix Communications
Sam Haber, AECOM
Vern Elarth, AECOM

Copy by mail:

Popkin Realty Co, adjacent land owner
20807 Belshaw Avenue Partners, adjacent land owner
Kramer Gary, adjacent land owner
Nineteen Twenty Four LLC, adjacent land owner
Essanay Enterprises, adjacent land owner
Charlotte C Rabin Et Al Tr; Rabin Trusts Partnership, adjacent land owner
Aerospace Center, adjacent land owner

APPLICATION NO. E 55462

EXISTING INDUSTRY

PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
SANITATION DISTRICTS OF LOS ANGELES COUNTY
2020 Beverly Blvd., Los Angeles, Calif. 90057
John D. Parkhurst, Chief Engineer and General Manager

PERMIT NO. 1299

El Segundo, Calif.* 3 / 21 / 74 (MO. / DAY / YR.)

APPLICATION IS HEREBY MADE BY BBC Laboratories (Formerly Brunswig Drug Co.) (PRINT) (FIRM NAME)

03 (Mailing Address) 700 N. Sepulveda Blvd. (STREET) cos El Segundo (CITY) California (STATE) 90245 (ZIP)

07 BBC Laboratories is tenant (OWNER, TENANT, ETC.) of the property located at:

09 (Street) 700 N. Sepulveda Blvd. (PRINT) 111 (City) El Segundo (Zip) 90245
(ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Assessors Map Book No. 4139 Page No.* 006 Parcel No.* 037 006 5
(LEGAL ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Rear end of building - 700 N. Sepulveda
(PRINT) (LOCATION OF POINT OF WASTEWATER DISCHARGE TO SEWERAGE SYSTEM)

for a Permit for Industrial Wastewater Discharge to the sewerage system.

13 Type of Industry* Drugs and Cosmetics (GENERAL DESCRIPTION) M, 17 2834 - 2844 (FEDERAL SIC NOS.)

19 Number of Employees (Full Time)* 60 (Part Time)* 0

21 Raw Materials Used* Pharmaceutical and Cosmetic Raw Material (Powder, Liquid, Fat and Oil)
(GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

Products Produced Lotions, Creams, Ointments and Tablets
(GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

Wastewater Producing Operations Water Softener - 2 Deionizers - 2 600 Gallon Jacketed Steam Kettles

General Machinery and Plant Clean Up
(FULL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

31 Time of Discharge - * 6 AM/PM to 7 AM/PM, (WORKING DAY - CROSS OUT AM OR PM) Days per Week* (M) (T) (W) (Th) (F) Sa Su (CIRCLE DAYS)

* Wastewater Flow Rate* 3,930 gallons per day AA (Gallons Per Day)

Constituents of Wastewater Discharge Not applicable
(GENERAL DESCRIPTION - ATTACH CHEMICAL ANALYSES RESULTS TO THIS APPLICATION)

Person in company responsible for industrial wastewater discharge:

41 Michael E. Purpus (PRINT) (NAME) Plant Director (POSITION) 678-4865 (TELEPHONE NUMBER) BB

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date March 21, 19 74

Signature for Applicant (COMPANY ADMINISTRATIVE OFFICIAL) Allan H. Drazen (NAME) Vice-President and General Manager (POSITION)

Approved by City or County Official

Date 3/25/74

For Dept. of County Engineers ..... ☐

City of EL SEGUNDO ☐

Name Donald F. McGinnis

Position Water Quality Insp.

Approved by Sanitation Districts of Los Angeles County

Date May 16, 1974

John D. Parkhurst, Chief Engineer and General Manager

by L. D. Rice

Position Indust. Waste Engr.

Note: A permit fee may be required by the local City or County Agency.
This form when properly signed shall be a valid permit unless suspended or revoked.

SANITATION DISTRICTS OF LOS ANGELES COUNTY

INSPECTION REPORT

Report Date Range: 1/1/1950 to 5/26/2020

Facility Name: COMPUTER SCIENCES CORP-FACILITIES DEPT

Facility ID: 1800591

Situs Address: 650 N SEPULVEDA Boulevard
El Segundo, CA 90245

TG: **Dist** 05

Sample Location: 005815A

Date of Inspection 11/30/2001 12:00 am to 12:00 am Duration: Hr Inspection Type: Historical Task Type: Historical Inspection

Sample Location: 005815A Task ID: 24545 Inspection ID: 24545

Inspector(s): Marcos Rams **Contact(s):**

Task Comments:
COMPUTER SCIENCES CORP., WAS REPORTED AS VACATING THE FACILITY ON 10-16-1996, BY INSPECTOR K. JENSEN. HUGHESAIRCRAFT MOVED IN THEM. THE PERMIT WAS NOT VOIDED. NOWHUGHES WAS BOUGHT OUT BY BOING AIRCRAFT CORP.. THE IWWCOMES FROM THE COOLING TOWER FOR THE BUILDING. IT IS EXEMPT. A PERMIT VOID REQUEST FORM HAS BEEN SUBMITTED.

Additional Comments:

Inspection Special Messages
Comments: CO. OUT OF BUSINESS

State of California
Environmental Protection Agency

UNDERGROUND STORAGE TANK
LOW RISK CASE REVIEW FORM

Los Angeles Regional
Water Quality Control Board

Case reviewer: Joshua Cwikla JC	Unit Chief: Weixing Tong WXT	Section Chief: Yue Rong YR	AEO: Paula Rasmussen PR	EO: Samuel Unger SU
Date: 1/24/18	Date: 1/24/2018	Date: 1-24-18	Date: 1-29-18	Date: 1-31-18

LUSTIS File No.: R-10916A	GeoTracker Global ID T10000010173		Investigation and Cleanup Priority: **D-1**
Site Name/Address: **Equinix Communications** **1920 E. Maple Avenue** **El Segundo, California 90245**	Responsible parties: **Equinix Communications**	Address: **Mr. Johnny Lopez** **Equinix Communications** **445 N. Douglas Street** **El Segundo, California 90245**	Phone no.: **310-524-4502**

I. CASE INFORMATION (N/A = Not Applicable)

Tank No.	Size in Gallons	Contents	Closed in-place/Removed/Active?	Date
1 and 2	**30,000**	**Diesel Fuel**	**Active**	**N/A**

II. SITE CHARACTERIZATION INFORMATION (GW=groundwater)

GW Basin: **Coastal Plain of Los Angeles, West Coast Sub Basin 4-11.03**	Beneficial uses: **MUN, IND, PROC, AGR**	Water purveyor in the area: **City of El Segundo Water Department**	
Distance to nearest municipal supply well: **2 miles to the east of the Site**		Water purveyor contact: **Attn: Mr. James Turner,** **City of El Segundo, Water Department** **350 Main Street** **El Segundo, California 90245**	
GW highest depth: **90 feet bgs – Interpreted**	GW lowest depth: **Not encountered**	Well screen interval: **NA**	Flow direction: **west (Interpreted)**
Soil types: **Interbedded layers of SAND, silty SAND, sandy CLAY, and clayey SAND**		Maximum soil depth sampled (ft): **32 Feet bgs**	

III. SITE INSPECTION

Pre-closure site inspection date **N/A**	Is there a sensitive receptor next to the site (school, church, hospital, kindergarten etc.)? **Yes** If yes, brief description: **Lambs and Ivy Daycare Center, approximately 1,200 feet to the east.**

IV. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS – Initial and Latest (ND=Non-detect above laboratory detection limit; NRQ=Not required, NA-Not Analyzed, J-Estimated Concentration Detected)

Contaminant	Soil (mg/kg)		EPA SLs*		Soil Screening Levels (mg/kg)**	Water (µg/L)		MCLs/NL (µg/L)
	Initial (05/2010)	Latest (10/2017)	Residential (mg/kg)	Industrial (mg/kg)	Depth to gw (ft) 90 Feet Type of soil = SAND	Initial NA	Latest GW Not Encountered	
TPH (Gas)	**NA**	**NA**	NE	NE	500	**NA**	**NA**	NE
TPH (Diesel)	**9,200 (2016)**	**10,000 (4' bgs)**	NE	NE	1,000	**NA**	**NA**	NE
Benzene	**ND**	**ND**	1.2	5.1	0.033	**NA**	**NA**	1
Toluene	**0.00089**	**ND**	4,900	47,000	2	**NA**	**NA**	150
Ethylbenzene	**0.71**	**ND**	5.8	25	7	**NA**	**NA**	300
Xylenes	**1.51**	**ND**	580	2,500	20	**NA**	**NA**	1,750
Methyl tertiary butyl ether (MTBE)	**ND**	**ND**	47	210	0.039	**NA**	**NA**	13 (Primary) 5 (Secondary)
Di-isopropyl ether (DIPE)	**ND**	**ND**	2,200	9,400	NE	**NA**	**NA**	NE
Ethyl tertiary butyl ether (ETBE)	**0.06**	**ND**	NE	NE	NE	**NA**	**NA**	NE
Tertiary amyl methyl ether (TAME)	**ND**	**ND**	NE	NE	NE	**NA**	**NA**	NE
Tertiary butyl alcohol (TBA)	**ND**	**ND**	NE	NE	NE	**NA**	**NA**	12 (NL)

Site Name/Address: Equinix Communications, 1920 E. Maple Avenue, El Segundo, California	Staff Initial: JC

Contaminant	Soil (mg/kg)		EPA SLs*		Soil Screening Levels (mg/kg)**	Water (µg/L)		MCLs/NL (µg/L)
	Initial (05/2010)	Latest (10/2017)	Residential (mg/kg)	Industrial (mg/kg)	Depth to gw (ft) 90 Feet Type of soil = SAND	Initial NA	Latest GW Not Encountered	
Tetrachloroethene (PCE)	**ND**	**NA**	8.1	39	NE	**NA**	**NA**	3
Trichloroethene (TCE)	**ND**	**NA**	0.41	1.9	NE	**NA**	**NA**	5
Ethanol	**ND**	**NA**	NE	NE	NE	**NA**	**NA**	NE
Naphthalene	**1.6 (3.4' bgs)**	**0.08 (5' bgs)**	3.8	17	NE	**NA**	**NA**	170 (NL)

NE = Not Established. NL = Notification Level.
* SLs = USEPA Risk-Based Screening Levels (January 2015). ** Please see the attached table 4 –1

V. FREE PRODUCT

Was free product encountered? **No**	Has free product been totally removed? **N/A**
When was free product recovery project completed? **N/A**	

VI. SOIL REMEDIATION

Method: **Soil Excavation**	Duration of remediation: **November 2016 to January 2017**
Waste manifest document: **Yes**	Volume of soil disposal/mass removal: **63 US Tons**

VII. GROUNDWATER REMEDIATION

Method: **No Remediation Attempted**	Duration of remediation: **N/A**
	Mass removal: **N/A**

VIII. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION

Site History

The Site has been operated as an active data storage center facility (Facility) since 2005, and is located at 1920 E Maple Avenue, El Segundo, California (Figure 1). The Site includes 11 generators, two 30,000-gallon diesel USTs, and associated underground piping. The USTs and associated piping are beneath a concrete pad, while the generators are installed on top of the pad. The concrete pad has a 6-inch raised curb around it serving as secondary containment for the above ground equipment. Each generator contains a 3,000-gallon belly tank for local storage of diesel fuel. (Figure 2). During recent underground piping replacement and upgrades, possible contamination from a previous diesel fuel spill was identified. On February 23, 2017, the City of El Segundo Fire Department (ESFD) transmitted this case to this Regional Board due to concerns of soil and groundwater impacts from the Site.

Data Summary

On March 26, 2008, approximately 2,000-2,500 gallons of diesel fuel was released from a generator and was contained within the concrete containment area. The fuel was removed using a vacuum truck and disposed of using an environmental cleanup service.

In 2009, secondary containment testing results revealed failures in the piping system. As part of the associated piping repairs in May of 2010, soil samples were then collected around the piping adjacent to select generators to a maximum depth of four feet below ground surface (bgs) under the observation of the ESFD (Figure 3). The maximum concentrations of total petroleum hydrocarbons as diesel (TPH_D), toluene, ethylbenzene, xylenes, and naphthalene were 5,600 milligrams per kilogram (mg/kg) (TPH_D), 0.00089 mg/kg (toluene), 0.71 mg/kg (ethylbenzene), 1.51 mg/kg (xylenes), and 1.6 mg/kg (naphthalene) respectively. Benzene and methyl tertiary butyl ether (MTBE) were not detected above laboratory reporting limits (Table 1).

In October of 2014, Equinix performed additional piping repairs associated with minor reported leakage.

In September of 2016, as part of upgrades and replacement to piping and connections associated with the USTs and generators, Equinix performed soil sampling in the areas excavated for the purposes of repairs or replacement of system components. Under the observation of ESFD, Equinix collected 22 soil samples at a depth of two feet bgs (Figure 4). No samples were collected in the UST area. The maximum concentrations of TPH_D, ethylbenzene, and xylenes detected were 9,200 mg/kg (TPH_D), 0.12 mg/kg (ethylbenzene), and 0.177 mg/kg (xylenes), respectively. Benzene, toluene, and MTBE were not detected above laboratory reporting limits. Soil samples were not analyzed for naphthalene (Table 2).

Under the direction of ESFD, in November 2016 and January 2017 Equinix removed approximately 63 US Tons of diesel contaminated soil from the excavated areas associated with the piping system repairs. No confirmation soil samples were collected.

The depth to groundwater is anticipated to be approximately 90 feet bgs, with flow to the west based on measurements of groundwater at a Site Cleanup case (LAX – Korean Airlines, at 6101 West Imperial Highway, Los Angeles, case no. 1061B) located approximately 2,140 feet north of the Site in 2011.

Under the direction of the Regional Board, eight soil borings (B-1, B-2, B-3, B-5, B-6, B-8, B-9, and B-10) were advanced at the Site from October 17–19, 2017 to maximum depths of 32 feet bgs (Figure 5). The anticipated depth of 50 feet bgs could not be achieved due to ground refusal. Borings were drilled in a line from east to west just south of the backup generators, within the piping corridor where the product lines were replaced, and diesel-impacted soils were excavated (B-1–B-3). Borings were also drilled in a line from east to west, approximately 10 to 15 feet south of the first row of borings, to assess the lateral extent of remaining impacts (B-4 – B-6). No borings were drilled to the north of the product pipeline excavation due to inaccessibility. TPH_D was detected in all borings at concentrations ranging from 3.9 mg/kg at the 30-foot depths of borings B-3 and B-10 to 10,000 mg/kg at the 4-foot depth of boring B-3 in the piping corridor area. Figure 5 displays all TPH_D and volatile organic compound (VOC) concentrations as well as the associated boring locations. TPH_D concentrations greater than 25 mg/kg were limited to within 10 feet bgs, with only borings B-2, B-3, and B-6 (all within the piping corridor area) having maximum detections greater than 1,000 mg/kg. Residual diesel impacts near the surface may not extend to groundwater which is estimated to be approximately 60 feet deeper than the maximum depth sampled at the Site. Total petroleum hydrocarbons as gasoline (TPH_G) was not analyzed since gasoline was never used at the Site. VOCs including benzene, MTBE, and other fuel oxygenates were non-detect (ND) in soil samples from all borings with the exception of one detection of naphthalene in boring B-3 at the 5-foot depth (0.08 mg/kg). Table 3 displays all soil analytical results for the 2017 Site Assessment.

As part of the October 2017 site assessment, four of the borings advanced were also located around the two existing diesel USTs (B-7 – B-10). The maximum concentration of TPH_D detected in the UST area was 23 mg/kg at a depth of 20 feet bgs in boring B-8. Soil analysis within the UST area was non-detect for VOCs indicating minimal shallow soil impacts and no impacts to groundwater from the USTs.

Soil beneath the site consists of interbedded layers of sand, silty sand, sandy clay, and clayey sand to at least 32 feet bgs. A representative boring log is included as Appendix A.

The nearest sensitive receptor is Lambs and Ivy Daycare Center, located approximately 1,200 feet to the east.

The nearest drinking water well is approximately 2 miles to the east.

Low Threat UST Closure Policy Criteria Evaluation

General Criteria

The site meets all General Criteria components of the Low Threat Policy.

a) The water purveyor within the area of the Site is the City of El Segundo Water Department.
b) The release was from a piping system that conveys diesel fuel from the USTs to the backup generators.
c) In 2009, secondary containment testing results revealed failures in the piping system. These minor leaks were stopped and the UST system was upgraded. No new leaks or piping failures have been detected since the upgrades.
d) Free product was not detected at the site.
e) A site conceptual model has been developed.
f) Equinix removed approximately 63 US Tons of diesel contaminated soil from the excavated areas associated with the piping system repairs.
g) Soil samples were tested for MTBE.
h) The site does not create a nuisance.

Groundwater

The Low Threat Closure Policy groundwater criteria are not applicable. This is a soil only case. No detections of TPH_D, or fuel related VOCs were detected above Regional Screening Levels (RSLs) below 10 feet bgs. The inferred high groundwater elevation at the Site is approximately 90 feet bgs. Groundwater was not encountered to a depth of 32 feet bgs at the Site.

Vapor Intrusion to Indoor Air

The site meets Scenario 3.3 of the Low Threat Closure Policy, with the exception that TPH concentrations exceed 100 mg/kg throughout the entire bioattenuation zone. The maximum concentration of TPH_D detected in soil is 10,000 mg/kg at the 4-foot depth of boring B-3 and decrease significantly with depth. The Site has 11 active generators, utilizing the two 30,000-gallon diesel USTs. Exposures to petroleum vapors related to residual concentrations of the historical diesel impacted soil are comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active facilities. Additionally, the residual soil impacts are covered by a concrete pad in an open air area of the facility minimizing unacceptable human health risks.

Direct Contact and Outdoor Air Exposure

The parking lot surface is currently covered with a concrete pad. The Site satisfies the media-specific criteria 3.a for Direct Contact and Outdoor Air exposure under the commercial/industrial land use scenario as follows:

a) Residual benzene in soil does not exceed 8.2 mg/kg (maximum residual ≤ 10 ft bgs = **ND mg/kg**).
b) Residual ethylbenzene in soil does not exceed 89 mg/kg (maximum residual ≤ 10 ft bgs = **ND mg/kg**).
c) Residual naphthalene in soil does not exceed 45 mg/kg (maximum residual ≤ 10 ft bgs = **0.08 mg/kg**)

Therefore, no results exceeded the Low Threat Closure Policy criteria identified below:

Maximum Soil Sample Concentration Results (mg/kg) Max residual at site within 10 feet bgs:		Commercial/Industrial		Utility Worker
		(0 to 5 ft bgs)	Volatilization to outdoor air (5 to 10 ft bgs)	(0 to 10 ft bgs)
Benzene	**ND**	8.2	12	14
Ethylbenzene	**ND**	89	134	314
Naphthalene	**0.08**	45	45	219
PAH	**NA**	0.68	NA	4.5

Factors Supporting Low Risk Closure

The extent of soil contamination has been adequately defined.

MTBE and benzene have never been detected in all soil sampling conducted at the Site.

The UST area revealed only minor detections of TPH_D and non-detect for VOCs indicating minimal shallow soil impacts and no impacts to groundwater from the USTs.

Approximately 63 US Tons of diesel contaminated soil from the excavated areas associated with the piping system repairs was removed from the Site.

Groundwater has not been impacted. No detections of TPH_D, or fuel related VOCs were detected above Regional Screening Levels (RSLs) below 10 feet bgs.

Free product was not reported at the Site.

Case closure is consistent with the Low Threat Closure Policy.

IX. MTBE FATE & TRANSPORT PLUME LENGTH MODELING ANALYSIS

This is a soil only case, groundwater is anticipated to be encountered at 90 feet bgs. MTBE has never been detected in all soil sampling conducted at the Site.

X. ELECTRONIC DELIVERABLE FORMAT (EDF) SUBMISSION

Has electronic data reporting requirement been met? Yes

XI. AB 681 REQUIREMENT (Land Owner Notification)

Verify property ownership http://assessor.lacounty.gov/extranet/DataMaps/Pais.aspx (date) : May 26, 2017
Have landowner or impacted site notification requirements been met? Yes
Owners: GPT Maple Avenue Owner LP c/o Gramercy Property Trust Inc.
Responsible party: Equinix Communications
Pre-closure letter sent date 1/31/18

Table 4-1: Maximum Soil Screening Levels (mg/kg) for TPH, BTEX and MTBE above Drinking Water Aquifers

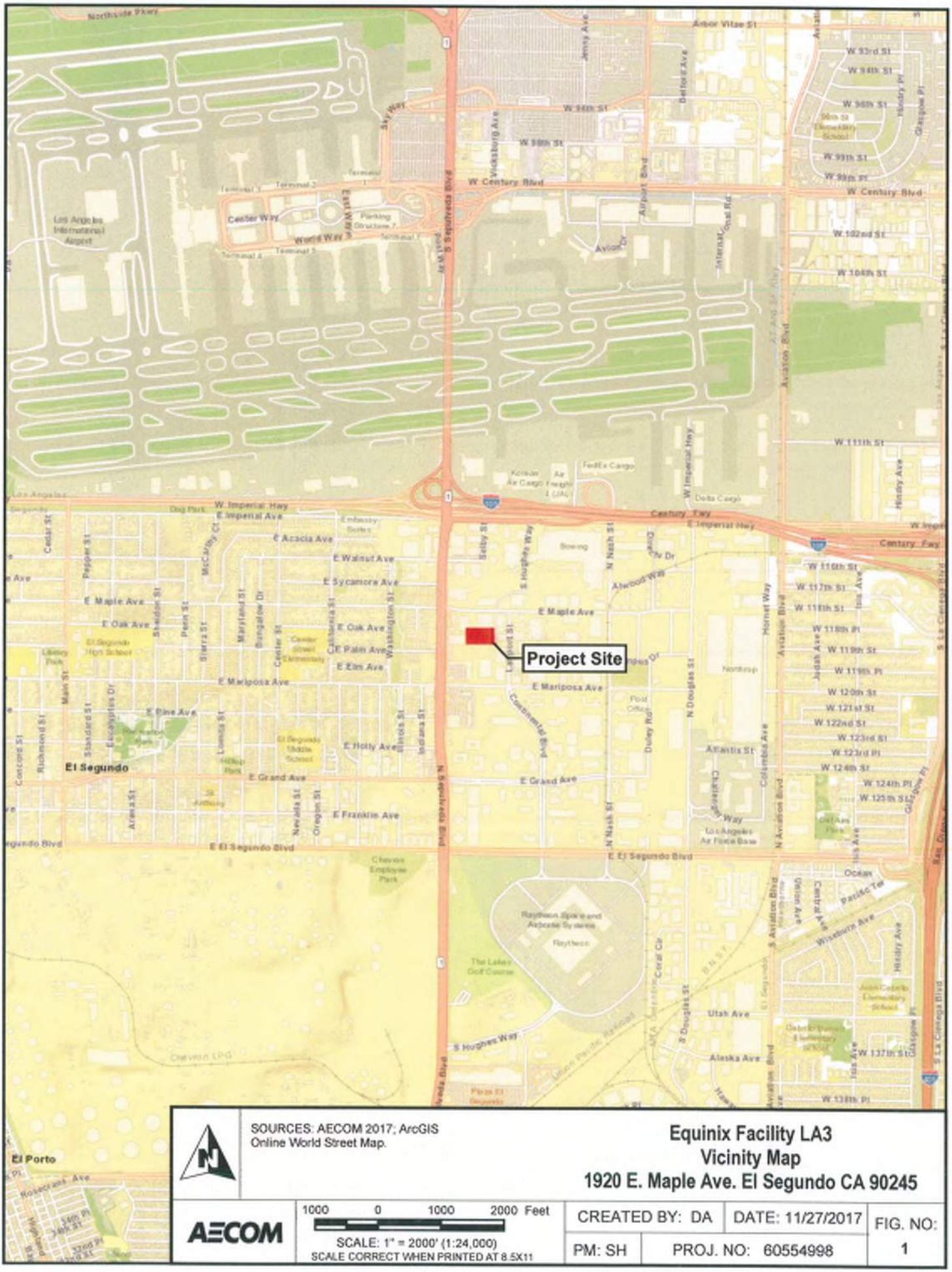
	Distance Above Groundwater	Carbon Range		
TPH		C4-C12	C13-C22	C23-C32
	>150 feet	1,000	10,000	50,000
	20-150 feet	500	1,000	10,000
	<20 feet	100	100	1,000

	Distance Above Groundwater	Lithology			
		Gravel	Sand	Silt	Clay
BTEX & MTBE	150 feet	B=0.044 T=2 E=8 X=23 MTBE = 0.039	B=0.077 T=4 E=17 X=48 MTBE = 0.078	B=0.165 T=9 E=34 X=93 MTBE = 0.156	B=0.8 T=43 E=170 X=465 MTBE = 0.78
	120 feet	B=0.035 T=1.57 E=6.3 X=17.9 MTBE = 0.028	B=0.058 T=3.1 E=12.7 X=36 MTBE = 0.061	B=0.123 T=7 E=25.9 X=70.3 MTBE = 0.117	B=0.603 T=32 E=128 X=351 MTBE = 0.591
	100 feet	B=0.028 T=1.3 E=5.1 X=14.4 MTBE = 0.020	B=0.046 T=2.57 E=9.86 X=28 MTBE = 0.05	B=0.094 T=5.4 E=20.4 X=55.1 MTBE = 0.091	B=0.471 T=25 E=101 X=276 MTBE = 0.464
	80 feet	B=0.022 T=1 E=4 X=11 MTBE = 0.013	B=0.033 T=2 E=7 X=20 MTBE = 0.039	B=0.066 T=4 E=15 X=40 MTBE = 0.065	B=0.34 T=18 E=73 X=200 MTBE = 0.338
	60 feet	B=0.018 T=0.72 E=2.9 X=7.9 MTBE = 0.013	B=0.026 T=1.4 E=4.9 X=13.9 MTBE = 0.03	B=0.048 T=2.8 E=10.7 X=28.4 MTBE = 0.048	B=0.241 T=13 E=52 X=141.5 MTBE = 0.247
	40 feet	B=0.015 T=0.43 E=1.8 X=4.8 MTBE = 0.013	B=0.018 T=0.87 E=2.8 X=7.8 MTBE = 0.022	B=0.029 T=1.6 E=6.3 X=16.9 MTBE = 0.03	B=0.143 T=7.5 E=30 X=83 MTBE = 0.156
	20 feet	B=0.011 T=0.15 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.3 E=0.7 X=1.75 MTBE = 0.013	B=0.011 T=0.45 E=2 X=5.3 MTBE = 0.013	B=0.044 T=2.3 E=9 X=24.5 MTBE = 0.065

- TPH = Total petroleum hydrocarbons.
- BTEX = benzene, toluene, ethylbenzene, and xylenes, respectively. MTBE = methyl tertiary butyl ether.
- Respective MCLs (ppm): B=0.001, T=0.15, E=0.3, X=1.75, MTBE=0.013.
- BTEX screening concentrations determined per the attenuation factor method as described in RWQCB Guidance for VOC Impacted Sites (March 1996), with a natural degradation factor of 11 for BTEX and of 3 for MTBE. Table values can be linearly interpolated between distance above groundwater and are proportional to fraction of each lithological thickness.
- Values in Table 4-1 are for soils above drinking water aquifers. All groundwaters are considered as drinking water resources unless exempted by one of the criteria as defined under SWRCB Resolution 88-63 (TDS>3000 mg/L, or deliverability <200 gal/day, or existing contamination that cannot be reasonably treated). Regional Board staff will make a determination of potential water use at a particular site considering water quality objectives and beneficial uses. For non-drinking water aquifers, regardless of depth, TPH for ">150 feet" category in the table should be used;
- Distance above groundwater must be measured from the highest anticipated water level. Lithology is based on the USCS scale.
- In areas of naturally-occurring hydrocarbons, Regional Board staff will make determinations on TPH levels.

(revised 1/7/05)

Figures



SOURCES: AECOM 2017; ArcGIS Online World Street Map.

Equinix Facility LA3
Vicinity Map
1920 E. Maple Ave. El Segundo CA 90245

AECOM

1000 0 1000 2000 Feet

SCALE: 1" = 2000' (1:24,000)
SCALE CORRECT WHEN PRINTED AT 8.5X11

CREATED BY: DA	DATE: 11/27/2017	FIG. NO: 1
PM: SH	PROJ. NO: 60554998	

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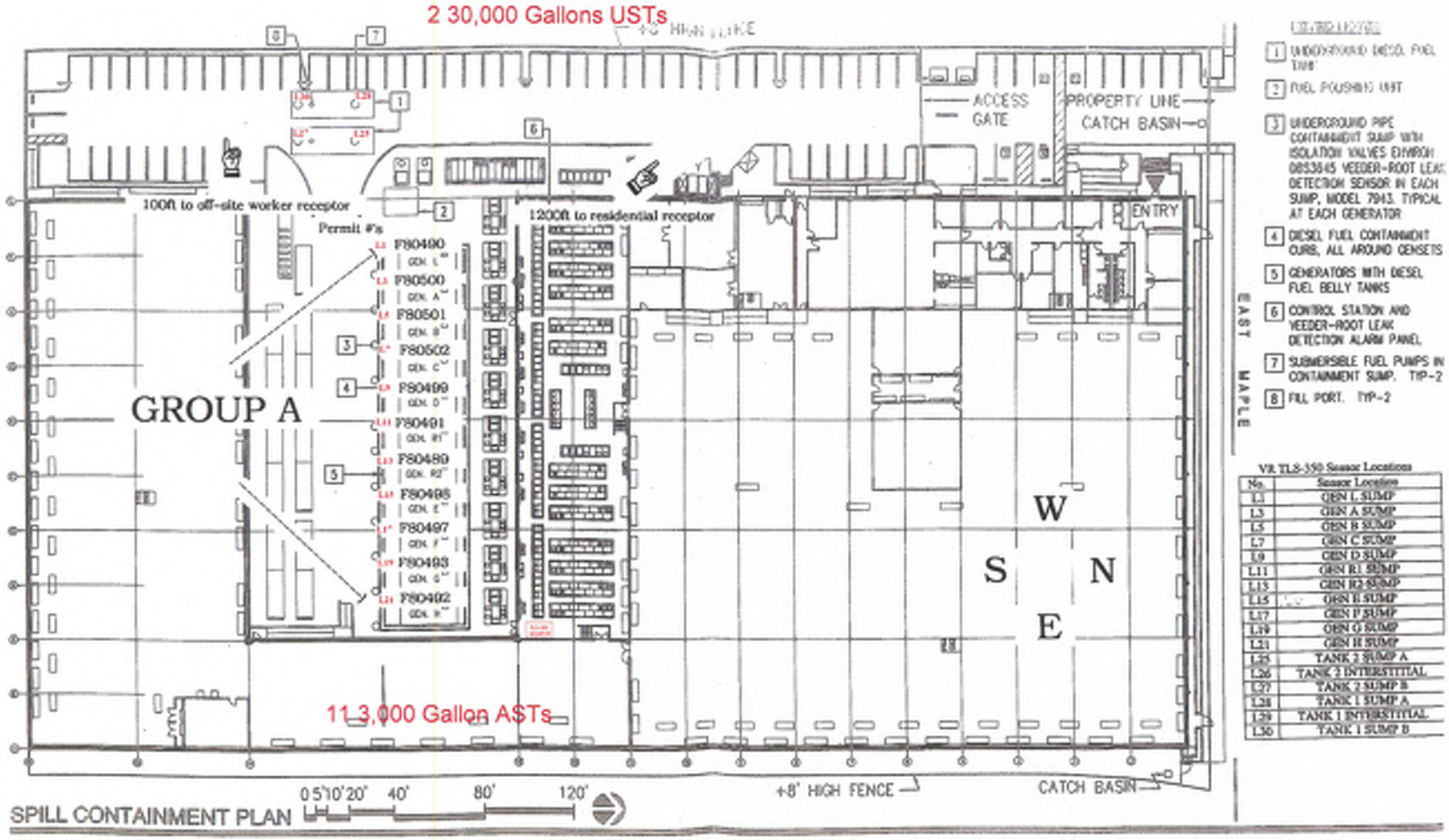


VR TLS-350 Sensor Locations

No.	Sensor Location
L1	GEN L SUMP
L3	GEN A SUMP
L5	GEN B SUMP
L7	GEN C SUMP
L9	GEN D SUMP
L11	GEN R1 SUMP
L13	GEN R2 SUMP
L15	GEN E SUMP
L17	GEN F SUMP
L19	GEN G SUMP
L21	GEN H SUMP
L25	TANK 2 SUMP A
L26	TANK 2 INTERSTITIAL
L27	TANK 2 SUMP B
L28	TANK 1 SUMP A
L29	TANK 1 INTERSTITIAL
L30	TANK 1 SUMP B

1920 E. Maple Ave.
El Segundo CA, 90245-3411

EQUINIX

FIGURE 2

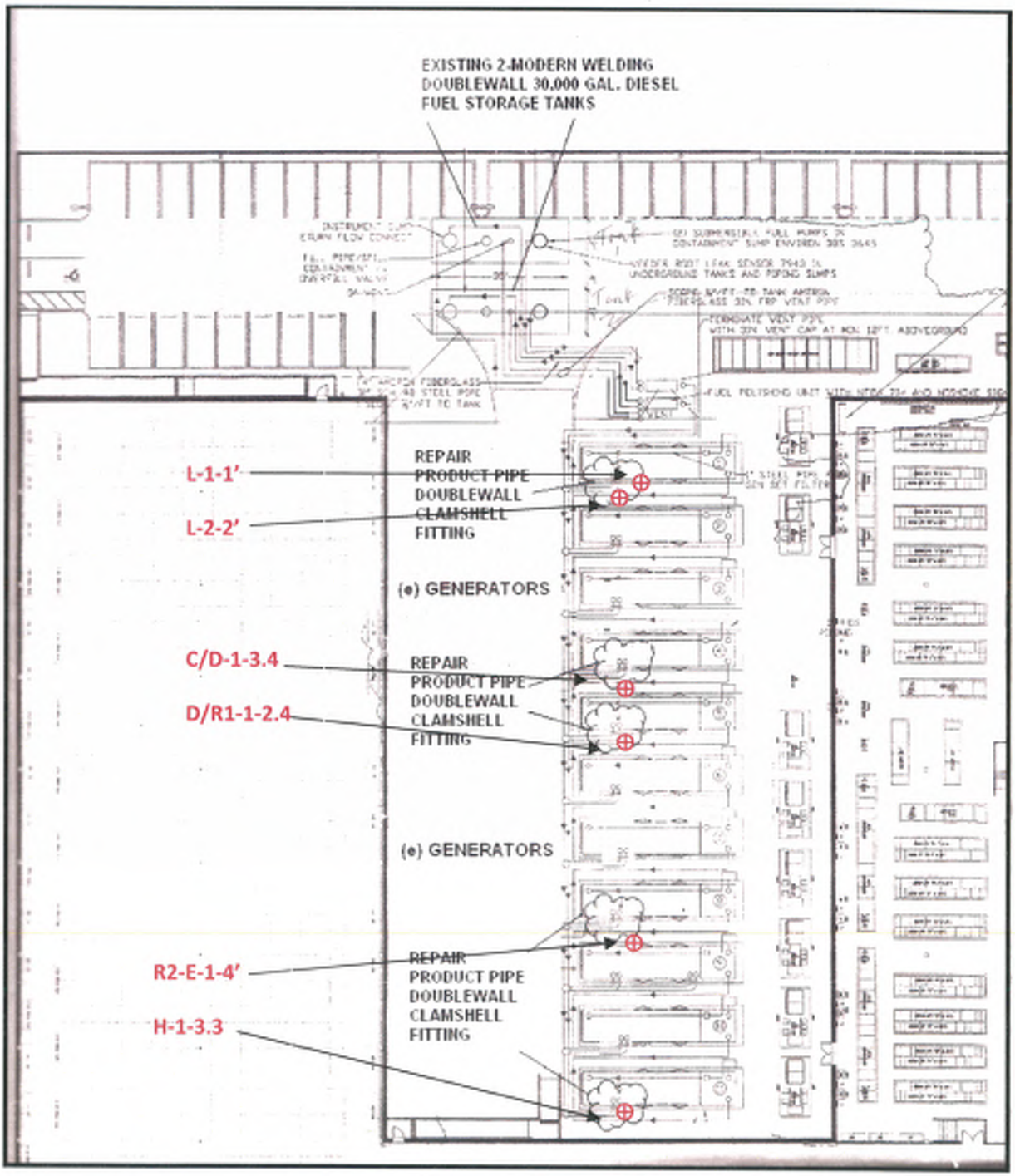


Figure 3. Soil Sample Location
Equinix Communications
1920 E. Maple Avenue
El Segundo, California 90245

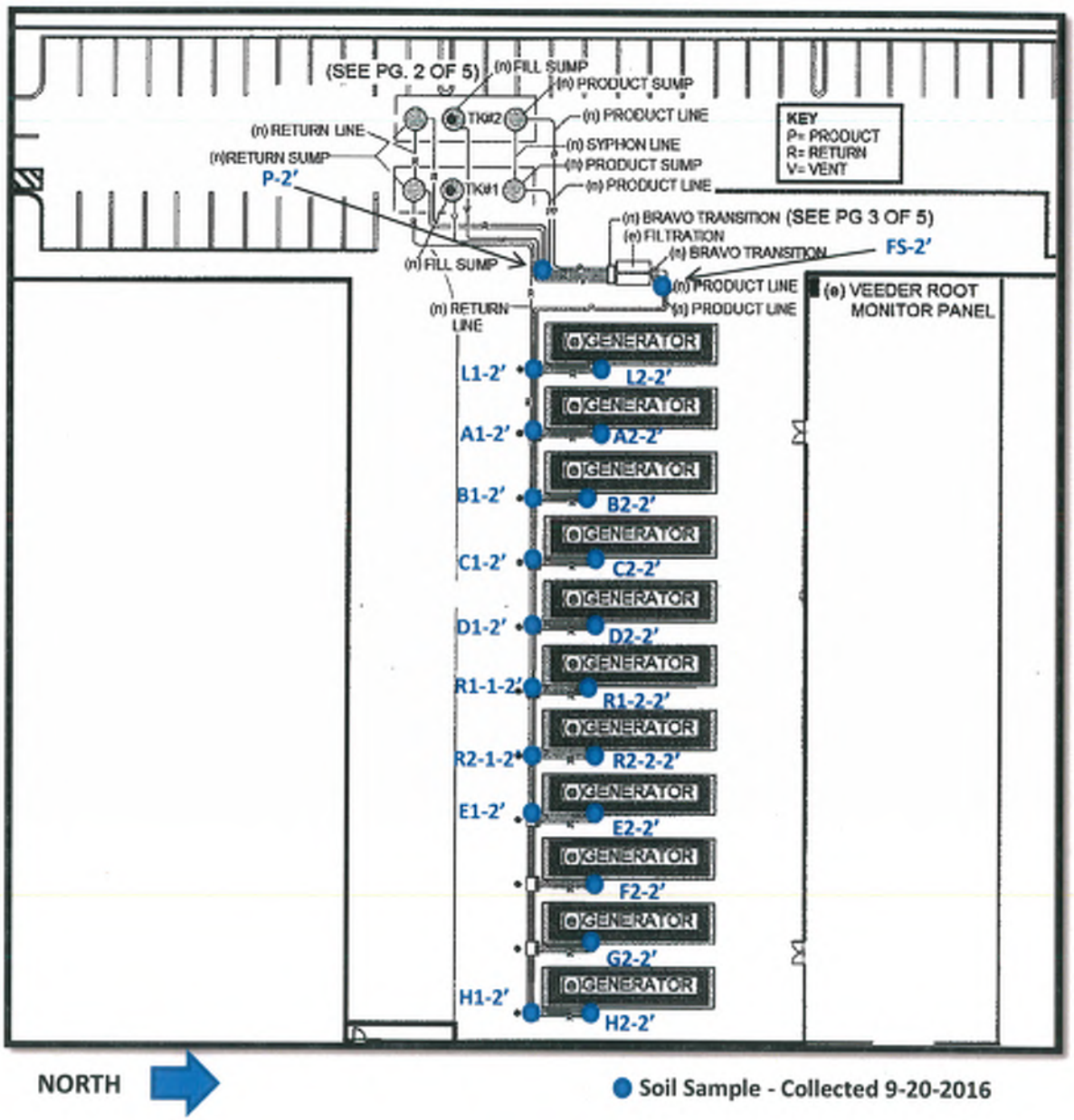
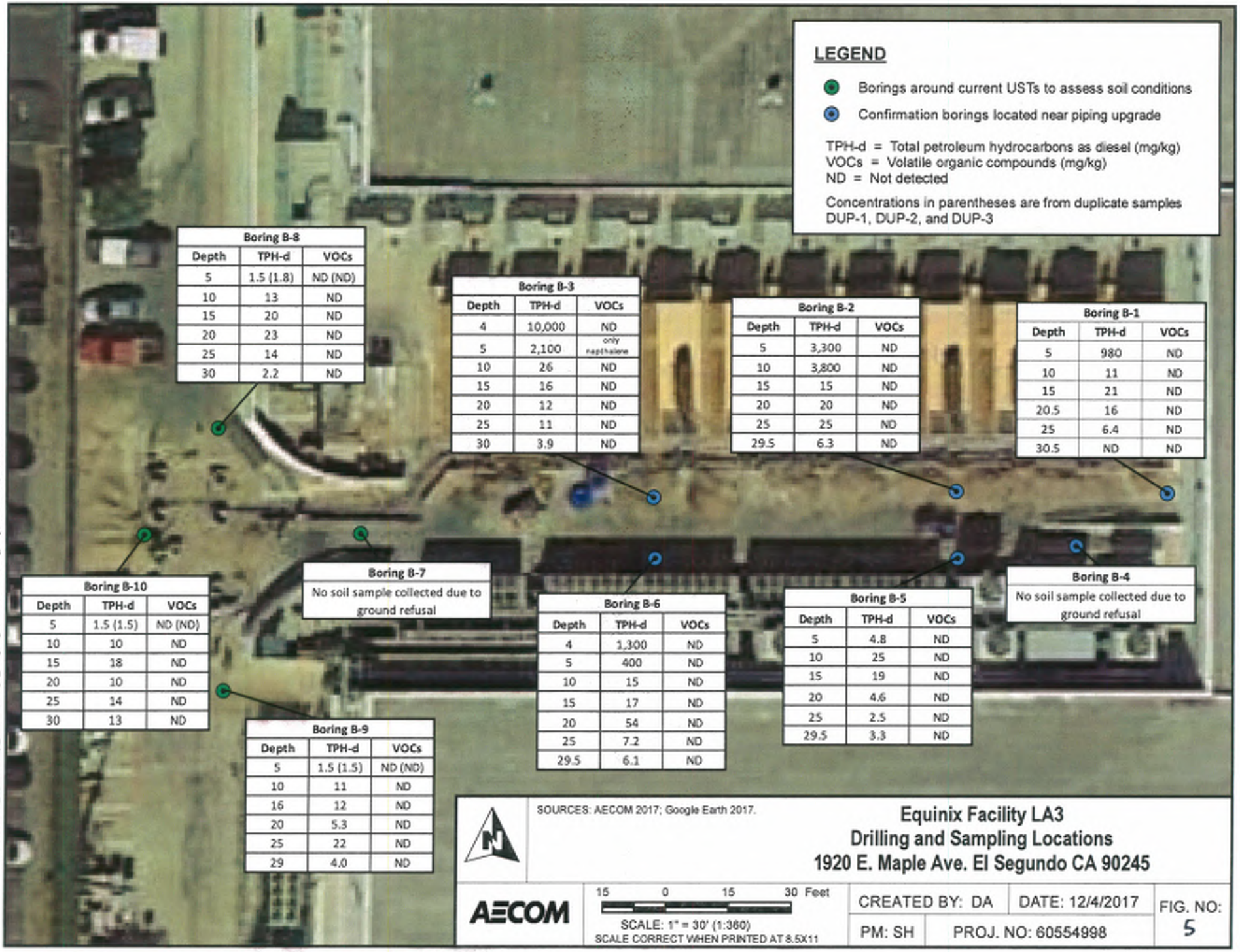


Figure 4
Equinix
Soil Sample Locations
1920 E. Maple Avenue
El Segundo, CA



Boring B-8		
Depth	TPH-d	VOCs
5	1.5 (1.8)	ND (ND)
10	13	ND
15	20	ND
20	23	ND
25	14	ND
30	2.2	ND

Boring B-3		
Depth	TPH-d	VOCs
4	10,000	ND
5	2,100	only naphthalene
10	26	ND
15	16	ND
20	12	ND
25	11	ND
30	3.9	ND

Boring B-2		
Depth	TPH-d	VOCs
5	3,300	ND
10	3,800	ND
15	15	ND
20	20	ND
25	25	ND
29.5	6.3	ND

Boring B-1		
Depth	TPH-d	VOCs
5	980	ND
10	11	ND
15	21	ND
20.5	16	ND
25	6.4	ND
30.5	ND	ND

Boring B-10		
Depth	TPH-d	VOCs
5	1.5 (1.5)	ND (ND)
10	10	ND
15	18	ND
20	10	ND
25	14	ND
30	13	ND

Boring B-7
No soil sample collected due to ground refusal

Boring B-6		
Depth	TPH-d	VOCs
4	1,300	ND
5	400	ND
10	15	ND
15	17	ND
20	54	ND
25	7.2	ND
29.5	6.1	ND

Boring B-5		
Depth	TPH-d	VOCs
5	4.8	ND
10	25	ND
15	19	ND
20	4.6	ND
25	2.5	ND
29.5	3.3	ND

Boring B-4
No soil sample collected due to ground refusal

Boring B-9		
Depth	TPH-d	VOCs
5	1.5 (1.5)	ND (ND)
10	11	ND
16	12	ND
20	5.3	ND
25	22	ND
29	4.0	ND

SOURCES: AECOM 2017; Google Earth 2017.

Equinix Facility LA3
Drilling and Sampling Locations
1920 E. Maple Ave. El Segundo CA 90245

AECOM

15 0 15 30 Feet

SCALE: 1" = 30' (1:360)
SCALE CORRECT WHEN PRINTED AT 8.5X11

CREATED BY: DA | DATE: 12/4/2017 | FIG. NO: 5

PM: SH | PROJ. NO: 60554998

Path: U:\Projects_GIS\60554998_Equinix\mxd_docs\mxd\Fig2_Sampling\locations.mxd, angelkp, 12/4/2017, 3:01:42 PM

Tables

TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR DETECTED ANALYTES - MAY 25, 2010
FUEL HYDROCARBONS AND OXYGENATES
Equinix - El Segundo

Sample Number	TPH-g	TPH-d	Methanol	Ethanol	B	T	E	X m,p/o	MtBE	tBA	DIPE	EtBE	tAME	IPB	1,2,4-TMB	1,3,5-TMB	n-Propylb	sec-Butylb	n-Butylb	1,1-DCA	1,2-DCA	cis-1,2-DCE	t-1,2-DCE	4-IPT	Naphthalene	PCE	TCE	VC	CM
	mg/Kg				ug/Kg																								
L-1-1	na	4,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	1,200	2,100	290	730	2,200	ND	ND	ND	ND	700	1,200	ND	ND	ND	ND
L-2-3.4	na	1,600	ND	ND	ND	ND	60	150/120	ND	ND	ND	60	ND	130	2,700	1,400	260	580	1,200	ND	ND	ND	ND	440	520	ND	ND	ND	54
C/D-1-3.4	na	5,600	ND	ND	ND	ND	ND	ND/1.8	ND	ND	ND	ND	ND	ND	5.7	8.8	ND	3.8	10	ND	ND	ND	ND	4.2	6.0	ND	ND	ND	ND
D/R1-1-3.4	na	5,200	ND	ND	ND	ND	710	890/110	ND	ND	ND	ND	ND	380	8,900	3,500	1,200	1,100	3,000	ND	ND	ND	ND	910	1,600	ND	ND	ND	ND
R2/E-1-4'	na	4,100	ND	ND	ND	ND	ND	540/970	ND	ND	ND	ND	ND	ND	8,100	3,900	ND	330	1,800	ND	ND	ND	ND	1,100	930	ND	ND	ND	ND
H-1-3.3	na	21	ND	ND	ND	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RSL	--	--	31000	--	5400	5000000	5400000	/380000	220000	--	1400000	--	--	--	62000	780000	3400000	--	--	17000	2200	10000000	690000	--	18000	550	2800	6	5000
MCL	--	--	--	--	1	150	300	1,750	13	12	nl	nl	nl	nl	nl	nl	nl	nl	nl	0.5	0.5	6	10	nl	nl	5	5	0.5	nl

Results above the MCLs are presented in**BOLD.** The samples were analyzed by EPA Test Methods 8015M and 8260B

*	Duplicate sample was collected concurrently with sample MW-10
mg/L	Milligrams per liter
ug/L	Micrograms per liter
MDL	Method Detection Limits employed by the testing laboratory, The MDLs may have been raised for samples containing elevated concentrations of contaminants or insufficient sample quality.
MCL	Maximum Contaminant Levels for water, California Regional Water Quality Control Board, January 18, 1995 and March 12, 1999 Memorandums, and Title 22 California Code of Regulations, September 12, 2003
J	Estimated concentration. The result is less than the practical quantitation limit, but greater than the MDL.
I	Probable laboratory contamination. This analyte was found in the laboratory method blank at a comparable level.
TPH-g	Total petroleum hydrocarbons as gasoline-quantified against standard.
TPH-d	Total petroleum hydrocarbons as diesel-quantified against standard.
B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes, m,p/o
MtBE	Methyl tertiary-butyl ether
tBA	Tertiary-butyl alcohol or Tert Butanol
tAME	Tertiary-amyl methyl ether
EtBE	Ethyl tertiary-butyl ether
1,2-DCA	1,2-dichloroethane
QCTB	Quality Control Trip Blank
na	Not analyzed for this constituent
ns	Not sampled this quarter
DIPE	Di-isopropyl ether
IPB	Isopropylbenzene
1,3,5-TMB	1,3,5-Trimethylbenzene
PCE	Tetrachloroethene
VC	Vinyl Chloride
sec-Butyl	sec-Butylbenzene
nl	none listed
ns/fp	not sampled due to the presence of free-floating product
1,2,4-TMB	1,2,4-Trimethylbenzene
cis-1,2-DCE	cis-1,2-Dichloroethene
TCE	Trichloroethene
n-Propylb	n-Propylbenzene
n-Butylb	n-Butylbenzene
1,1-DCA	1,1-dichloroethane
IPB	Isopropylbenzene
1,2-DCA	1,2-dichloroethane
t-1,2-DCE	trans-1,2-dichloroethene
4-IPT	4-Isopropyltoluene
CM	Chloromethane

Table 2 - Summary of Analytical Results – Soil Sample Collection Date 09/21/2016

Sample Identification	Diesel Range Organics	Volatile Organic Compounds				
	DRO (mg/kg)	Benzene (µg/kg)	Ethylbenzene (µg/kg)	Toluene (µg/kg)	Xylenes m,p/o (µg/kg)	MTBE (µg/kg)
H1-2'	**3,000**	< 19	110	<26	92/<.28	<16
H2-2'	130	< 0.57	<0.64	<0.78	<1.2/<0.84	<0.49
G2-2'	**9,200**	<22	<25	<30	<46/<33	<19
F2-2'	**3,700**	<23	<26	<32	<48/<34	<20
E2-2'	**4,400**	< 0.57	17	< 0.78	2.1/< 0.84	<0.49
E1-2'	180	<0.47	<0.52	<0.63	<0.96/<0.68	<0.40
R2-1-2'	**2,600**	<27	120	<37	75/<40	<23
R2-2-2'	**4,000**	<29	<32	<39	<60/<39	<25
R1-1-2'	160	<0.53	<0.58	<0.71	1.3/<0.77	<0.45
R1-2-2'	**4,900**	<0.51	<0.57	<0.69	<1.1/<0.75	<0.44
D1-2'	**3,000**	<32	<35	<43	130/<47	<27
D2-2'	1,300	<26	<29	<35	<54/<38	<22
C1-2'	<10	<0.52	<0.58	<0.71	<1.1/<0.77	<0.45
C2-2'	**2,400**	<27	<30	<37	<56/<40	<23
B1-2'	**7,700**	<26	<29	<35	<53/<38	<22
B2-2'	**3,900**	<25	<28	<34	<52/<37	<22
A1-2'	**4,900**	<27	<30	<37	<40/<37	<23
A2-2'	1,300	<23	<25	<31	<47/<33	<20
L1-2'	**4,200**	<27	56	<37	<56/<40	<24
L2-2'	1,300	<24	<27	<32	<49/<35	<21
FS-2'	20	<0.50	0.55	<0.67	<1/<0.67	<0.43
P-2'	120	<0.49	<0.55	<0.67	4/<0.73	<0.42
RSLs (mg/kg) (µg/kg)	2200 2200000	5.1 5100	25 25000	47000 47000000	2400/2800 2400000/2800000	210 210000

Notes: Bolded = above RSLs
EPA Method 8015B – Diesel Range Organics
EPA Method 5035/8260B - Volatile Organic Compounds
Mg/kg – milligrams/kilogram; µg/kg – micrograms/kilogram; MTBE – Methyl-tert-butyl Ether; RSLs – Regional Screening Levels

Table 3
SOIL SAMPLE ANALYTICAL RESULTS
Equinix Facility LA3
1920 East Maple Avenue
El Segundo, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	Naphthalene (mg/kg)
California Direct Exposure Human Health Risk Levels	Residential Screening Level		230	0.23	970	5.1	560	42	--	--	--	--	--	3.3
	Industrial Screening Level		1,100	1.0	4,600	22	2,400	180	--	--	--	--	--	14
B-1-5	10/17/2017	5	980	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-10	10/17/2017	10	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-16	10/17/2017	15	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-20.5	10/17/2017	20.5	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-25	10/17/2017	25	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1-30.5	10/17/2017	30.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-5	10/18/2017	5	**3,300**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-10	10/18/2017	10	**3,800**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-15	10/18/2017	15	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-20	10/18/2017	20	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-25	10/18/2017	25	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2-29.5	10/18/2017	29.5	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-4	10/18/2017	4	**10,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-5	10/18/2017	5	**2,100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.08
B-3-10	10/18/2017	10	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-15	10/18/2017	15	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-20	10/18/2017	20	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-25	10/18/2017	25	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3-30	10/18/2017	30	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
SOIL SAMPLE ANALYTICAL RESULTS
Equinix Facility LA3
1920 East Maple Avenue
El Segundo, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	Naphthalene (mg/kg)
California Direct Exposure Human Health Risk Levels	Residential Screening Level		230	0.23	970	5.1	560	42	--	--	--	--	--	3.3
	Industrial Screening Level		1,100	1.0	4,600	22	2,400	180	--	--	--	--	--	14
B-5-5	10/17/2017	5	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-10	10/17/2017	10	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-15	10/17/2017	15	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-20	10/17/2017	20	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-25	10/17/2017	25	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-5-29.5	10/17/2017	29.5	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-4	10/18/2017	4	**1,300**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-5	10/18/2017	5	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-10	10/18/2017	10	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-15	10/18/2017	15	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-20	10/18/2017	20	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-25	10/18/2017	25	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-6-29.5	10/18/2017	29.5	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-5	10/19/2017	5	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-10	10/19/2017	10	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-15	10/19/2017	15	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-20	10/19/2017	20	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-25	10/19/2017	25	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-8-30	10/19/2017	30	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-5	10/19/2017	5	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-10	10/19/2017	10	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-16	10/19/2017	16	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-20	10/19/2017	20	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-25	10/19/2017	25	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-9-29	10/19/2017	29	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
SOIL SAMPLE ANALYTICAL RESULTS
Equinix Facility LA3
1920 East Maple Avenue
El Segundo, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	TPH-d (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TAME (mg/kg)	TBA (mg/kg)	Ethanol (mg/kg)	Naphthalene (mg/kg)
California Direct Exposure Human Health Risk Levels	Residential Screening Level		230	0.23	970	5.1	560	42	--	--	--	--	--	3.3
	Industrial Screening Level		1,100	1.0	4,600	22	2,400	180	--	--	--	--	--	14
B-10-5	10/19/2017	5	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-10	10/19/2017	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-15	10/19/2017	15	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-20	10/19/2017	20	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-25	10/19/2017	25	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-10-30	10/19/2017	30	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Abbreviations and Notes:

bgs = below ground surface

mg/kg = milligrams per kilogram

ND = not detected; see laboratory report for practical quantitation limit and method detection limit

Dections in **BOLD** are above industrial screening level of 1,100 mg/kg for TPHd

-- No value for direct exposure human health risk levels

TPH-d analyzed by CA LUFT

Benzene, Toluene, Ethyl-benzene, Total Xylenes, MTBE, ETBE, DIPE, TAME, TBA, Ethanol, and Napthalene analyzed by EPA Method 5035/8260B.

TPH-d = Total petroleum hydrocarbons as diesel

MTBE = Methyl tertiary butyl ether

ETBE = Ethyl tertiary butyl ether

DIPE = Diisopropyl ether

TAME = Tertiary amyl methyl ether

TBA = Tertiary butyl alcohol

VOCs = Volatile Organic Compounds

Appendix A
Boring Log

Project: Equinix Facility LA3
Project Location: 1920 East Maple Avenue, El Sugundo, CA
Project Number: 60554998

Log of Boring B-2

Sheet 1 of 1

Date(s) Drilled	10/18/17	Logged By	M. Baroldi	Checked By	D. Jablonski
Drilling Method	Direct Push	Drill Bit Size/Type	Macro Core 2 1/8" O.D. 1 3/4" ID	Total Depth of Borehole	30.0 feet
Drill Rig Type	Marl Limited Access Rig	Drilling Contractor	Gregg Drilling	Approximate Surface Elevation	Not Measured
Groundwater Level and Date Measured	Not Encountered	Sampling Method(s)	Slide Hammer & Acetate Sleeves	Hammer Data	
Borehole Completion	Cement/bentonite grout capped with 6" concrete	Location	See Site Plan		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Recovery, inches	Headspace PID, ppm	Graphic Log	MATERIAL DESCRIPTION	REMARKS
	0				0		7" concrete	
							Moist, brown (10YR, 4/3), poorly graded fine to medium grained SAND with silt (SP-SM), trace gravel, no hydrocarbon odor	Hand augered to 8 fbgs
					20			
					2944		Moist, poorly sorted fine to coarse SAND, trace fines (SP), hydrocarbon odor	
	5	☒	B-2-5		>15,000		Same as above	
				36/48	4191		Moist, poorly sorted fine to medium grained silty SAND (SM), very dark brown (10YR, 2/2), trace gravels, hydrocarbon odor	
	10	◪	B-2-10		54		Moist, dark brown (10YR, 3/3), increasing silt content	
				38/48				
	15	◪	B-2-15		88		Moist, brown (7.5YR 4/4)	
				37/48			Same as above	
	20	◪	B-2-20	33/48	34		Same as above	
					402			
	25	◪	B-2-25	29/48	356		Moist, brown, poorly sorted fine to medium grained SAND (SP-SM), some silts/clays	
				24/24			Moist, brown, poorly sorted fine to coarse grained SAND (SP), few silts	
	30	◪	B-2-29.5		3.2			
							Bottom of boring at 30 fbgs due to refusal	
	35							

Report: SAR_RECOVERY_SIMPLE; File: ORANGE_OFFICE.GPJ; 11/22/2017 B-2

AECOM

005815

Industrial Waste Inspection Request

Requested By [illegible] X Date 6-21-90 Permit No. 5815
Acct No. [illegible]
District 05
Fiscal Yr. 1990-91

To:	For:	Initial	Copy	
Surcharge	Check	DB		87-390
Plan Eval.	Check		V	
Insp. Supv.	Assign	DB	A	7-5-90
Inspector	[illegible]			5/7/91
Insp. Supv.	Accept	DB		6-24-91

Priority:
ASAP
Soon
Routine X

Company Name Compu Tel Secretarial Corp
Address 6050 N Sepulveda Blvd El Segundo 90245
Contact T Swidroal Position Gen Mgr. Phone 416-0311

Reason for Request 5/91
The Compu Tel Secretarial District Laboratory Discharge report card with a different company name is enclosed. Please verify if company has moved to the address indicated on the mailing label. Thank you. See attachment for new address.

Inspection Results [illegible]

Original to permit file, copies to requestor and others.

Copies mailed. MF

COMPUTER SCIENCES CORPORATION

CORPORATE OFFICE

February 9, 1978

Sanitation District of L.A. County
1955 Workman Mill Road
P.O. Box 4998
Whittier, California 90607

SUBJECT: PERMIT # 5815, FILE 05-00.05-00/77-5815 R

To Whom It May Concern:

Your inspector, Ralph Ferguson inspected our sewer line Permit #5815, which he found completed in accordance to plans.

One change was made. Instead of raincap, we raised the floor sink 1 1/2" above decking.

If you have any questions, please feel free to call me.

Sincerely,

Sven Jacobsen
Facilities Engineer

SJ/sr

COUNTY SANITATION DISTRICT
OF LOS ANGELES COUNT

1955 Workman Mill Road / Whittier, California
Mailing Address: P. O. Box 4998, Whittier, California 90607
Telephone: (213) 699-7411 / Long Beach (213) 635-5727

JOHN D. PARKHURST
Chief Engineer and General Manager

October 21, 1977
In reply, please refer to
File:05-00.05-00/77-5815R

City of El Segundo
350 Main Street
El Segundo, CA 90245

Attention: Donald F. Holquin

Subject: Industrial Wastewater Discharge Permit No. 5815
Computer Science Corporation
650 North Sepulveda Blvd.
El Segundo, CA 90245

Dear Mr. Holquin:

Enclosed are two (2) approved sets of plans, and copies of the approved Industrial Wastewater Discharge Permit for the subject company. Please review these for compliance with your requirements, and retain the copies you require for your files. A copy of this letter is forwarded to the applicant to notify him of the Sanitation Districts' permit requirements, which are in force from the current date. If any additional permit requirements are issued to the applicant by your agency, copies should be forwarded to the Sanitation Districts for our records. The approved plans consist of:

Plot Plan Including Existing and Proposed Sewer Lines

Approval of the plans and permit is contingent upon continuing compliance with applicable Sanitation Districts' Ordinance requirements, upon any corrections shown in red on the drawings, and upon the items indicated on the attached requirement list.

If you have any questions concerning these requirements, please call the Sanitation Districts' Industrial Waste Section at extension 260.

Very truly yours,

John D. Parkhurst
Chief Engineer and
General Manager

By
Chiang-lin Chen
Supervising Civil Engineer

CC:IG:ct
cc: Computer Science Corporation

Attn: M. L. Estrin,
Facilities Manager

SANITATION DISTRICTS OF LOS ANGELES COUNTY

John O. Parkhurst, Chief Engineer and General Manager
1955 Workman Mill Road, P. O. Box 4998, Whittier, California 90607

INDUSTRIAL WASTEWATER DISCHARGE PERMIT

REQUIREMENT LIST

COMPANY NAME Computer Science Corporation

INDUSTRIAL WASTEWATER DISCHARGE PERMIT NO. 5815

DATE OF PERMIT ISSUANCE October 21, 1977

The above named company is required to comply with all indicated items on this list as a condition of the permit approval. Satisfactory evidence of compliance with these conditions should be supplied to the Sanitation Districts where requested. Satisfactory evidence will consist of a minimum of written notification signed by a responsible company official, and in some cases may involve the submission of additional drawings and data.

1. The permittee is advised that the chromium content in the cooling tower bleed-off must not cause the concentration of chromium in the total discharge to exceed the allowable limit. Numerical limits have been established by the Sanitation Districts for the maximum concentrations of heavy metals, and other toxic materials, permissible in an industrial discharge to the public sewers. The limits are those shown in the enclosed table of "INDUSTRIAL WASTEWATER EFFLUENT LIMITATIONS." The subject company is advised that any discharge in excess of these limits requires corrective action by the discharger. Penalties applicable to violations of these limits will be strictly enforced by the Sanitation Districts.---------- /X/

2. Industrial Wastewater Discharge permit 5815 is issued only for the discharge of cooling tower bleed-off to the public sewer. Before any other industrial waste is discharged to the sewer system subject company is required to file a revised permit application.---------- /X/

3. The applicant's Surcharge statement for fiscal years 1974-75, 1975-76, and 1976-77 were delinquent September 15, 1975, September 15, 1976 and September 15, 1977 respectively, and should be filed as soon as possible. Necessary forms and instructions for filing surcharge statements are enclosed in the applicant's copy.---------- /X/

4. Any proposed revisions which result in a significant change in wastewater quantity or quality (approximately 25% or more or 25,000 gallons per day) from the values reported in the permit application will required a new permit application to be submitted for the Districts' approval.---------- /X/

PLEASE TYPE OR PRESS HARD WHEN WRITING AND USE DUPLICATE SHEET OR CARBON UNDER EACH SURFACE

APPLICATION NO. E 29532

EXISTING INDUSTRY
PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
SANITATION DISTRICTS OF LOS ANGELES COUNTY
~~2020 Beverly Blvd., Los Angeles, Calif. 90057~~
John D. Parkhurst, Chief Engineer and General Manager

PERMIT NO. 5913

El Segundo, Calif. 10/03/77

APPLICATION IS HEREBY MADE BY COMPUTER SCIENCES CORPORATION
(PRINT) (FIRM NAME)

(a) (Mailing Address) 650 No. Sepulveda Boulevard (STREET) (b) El Segundo (CITY) California (STATE) 90245 (ZIP)

(c) Tenant (OWNER, TENANT, ETC.) of the property located at:

(d) (Street) 650 No. Sepulveda Boulevard (e) (City) El Segundo (Zip) 90245
(PRINT) (ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

Assessors Map Book No. 4139 Page No.* 006 Parcel No.* 039
(LEGAL ADDRESS OF PROPERTY PRODUCING WASTEWATER DISCHARGE)

650 No. Sepulveda Boulevard, El Segundo, CA 90245
(PRINT) (LOCATION OF POINT OF WASTEWATER DISCHARGE TO SEWERAGE SYSTEM)

for a Permit for Industrial Wastewater Discharge to the sewerage system.

(f) Type of Industry* Office Building (GENERAL DESCRIPTION) (g) 3573 (FEDERAL SIC NOS.)

(h) Number of Employees (Full Time)* 450 (Part Time)* 0

(i) Raw Materials Used* None
(GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

Products Produced None
(GENERAL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

Wastewater Producing Operations Cooling tower bleed
(FULL DESCRIPTION - ADD ADDITIONAL SHEETS AS NEEDED)

(j) Time of Discharge - * 12:00 AM to XX 12:00 AM XX (24 hrs. Days per Week* (S) (M) (T) (W) (T) (F) (S) to
(FOLLOWING DAY - CROSS OUT AM OR PM) (CIRCLE DAYS)

* Wastewater Flow Rate* 5000 - 10000 (aa) (Gallons Per Day) 24 hours/day

Constituents of Wastewater Discharge Total dissolved solids 3000 - 3500 PPM or 3 concentrations of makeup water PH 7.0
(GENERAL DESCRIPTION - ATTACH CHEMICAL ANALYSES RESULTS TO THIS APPLICATION)

Person or company responsible for industrial wastewater discharge:

(k) H. L. ERWIN (PRINT NAME) FAC MGR (POSITION) 6780511 (TELEPHONE NUMBER)

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date Oct 3, 1977

Signature for Applicant (COMPANY ADMINISTRATIVE OFFICIAL) (NAME) Fac Mgr (POSITION)

Approved by City or County Official

Date 10-4-77

For Dept. of County Engineers ..... ☐

City of El Segundo ☒

Name [illegible]

Position Water Quality & Sanitation Supv. Position Plan Eval. Engr.

Approved by Sanitation Districts of Los Angeles County

Date Oct. 21, 1977

John D. Parkhurst, Chief Engineer and General Manager

by Alfredo C. Reyes

Note: A permit fee may be required by the local City or County Agency.

This form when properly signed shall be a valid permit unless suspended or revoked.

PERMIT NO.

ADDITIONAL INFORMATION QUESTIONNAIRE FOR PERMIT APPLICANTS

SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 Workman Mill Rd., P.O. Box 4998, Whittier, CA. 90607
John D. Parkhurst, Chief Engineer and General Manager

El Segundo, Calif. 10 / 03 / 1977
(CITY) (DAY) (YR)

Name of Company Computer Sciences Corporation S.I.C. No. 3573

Mailing Address 650 No. Sepulveda Boulevard El Segundo, CA 90245
(NUMBER) (STREET) (CITY) (STATE) (ZIP)

Address of Wastewater Discharge 650 No. Sepulveda Boulevard El Segundo, CA 90245
(NUMBER) (STREET) (CITY) (STATE) (ZIP)

Legal Address 4 / 139 (MAP BOOK NO.) 006 (PAGE NO.) 038 (PARCEL NO.) Permit Application No. E 29532

IF YOUR COMPANY DISCHARGES OR WILL DISCHARGE TO THE SEWER any of the wastewater constituents listed below, please check the appropriate box:

1. Flammable wastes (406A) ☐
2. Toxic or poisonous wastes (406B) ☐
3. Acidic materials (pH less than 6.0) (406C) ☐
4. Materials that could obstruct the sewer (406D) ☐
5. Rainwater (406E) ☐
6. Dilution water (406F) ☐
7. Petroleum based soluble cutting oils (406G) ☐
8. Any quantities of petroleum based oils (406H) ☐
9. Cyanide wastes (406J) ☐
10. Total dissolved solids above 5000 mg/l (406K) ☐
11. Highly odorous wastes (406M) ☐
12. Dissolved sulfides over 0.1 mg/l (406N) ☐
13. Basic materials (pH greater than 10.5) (406O) ☐
14. Toxic gases (406P) ☐
15. Temperature over 120° F. (406Q) ☐
16. Highly colored wastes (406V) ☐
17. Wastes larger than ½" in diameter (406W) ☐
18. Any arsenic, boron, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, tin, zinc, or other toxic materials (406X) ☐
19. Blow down or bleed water from cooling towers, boilers or evaporative coolers (406Y) ☐
20. Single pass cooling water (406Z) ☐
21. Radioactive materials (406AA) ☐
22. Recognizable portions of the human anatomy (406BB) ☐

NOTE: Numbers in parentheses refer to the designated section in the Districts' Industrial Waste Ordinance.

IF YOUR COMPANY HAS ANY OR WILL HAVE ANY OF THE FOLLOWING PRETREATMENT SYSTEMS for wastewater prior to disposal to the sewer, please check the appropriate box.

1. Interceptor, clarifier, sump or trap ☐
2. Screen or filter ☐
3. Centrifuge ☐
4. Cyclone ☐
5. Grit removal ☐
6. Grease or oil removal ☐
7. Solvent separation ☐
8. Acid or base neutralization ☐
9. Chemical coagulation or precipitation ☐
10. Cyanide destruction ☐
11. Chromium reduction ☐
12. Spill protection ☐
13. Rainwater diversion or storage system ☐
14. Grinder over 2 horsepower ☐
15. Air flotation ☐
16. Other _____ ☐
17. Other _____ ☐

I hereby affirm that all information furnished is true and correct to the best of my knowledge.

Date Oct 3, 1977

Signature for Applicant _____ (NAME)
(COMPANY ADMINISTRATIVE OFFICIAL)

EVALUATION FORM

	CSD	DATE RECEIVED	AVG. DAILY FLO
0015	15	11-15-77	1100000

CC FILE NAME

Complaint File Schedule Information

56 C-5

DATE	TO	STATUS/REMARKS	INITI
12/8/77	TG	Class 2 Critical — yes Nat Cntr 1 — is an — Exist. Facil ✓ — no ✓ Inspection File Violation(s) — date — Acct # 1800591	

Surcharge Filed	72-73	73-74	74-75	75-
Yes	OK	OK		
No			✓	✓

EN 10-20

12/19/77 Talked with Mr. Hale Friend Inc. He can use Fuel Flow sensor both air conditioner applications and computer and computer software. Will work changes for manifolds & Tech. Trans.

Talked with H. Schumacher from Eng & El. Engineer, Co. 1 Wrote did to the Clerk Typist.

FINAL DATE

FOLLOW-UP

5815

X

X

X

2 10,000 Smk.

X

TG ACR

PLEASE EXPEDITE

P for A

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411 FAX: (562) 699-5422
www.lacsd.org

JAMES F. STAHL
Chief Engineer and General Manager

January 15, 2002
File: 05-02-5815
Account No.: 1800591

Mr. Steve Tsumura
Environmental Safety Coordinator
City of El Segundo
350 Main St.
El Segundo, CA 90245

Dear Mr. Tsumura:

Industrial Wastewater Discharge Permit No. 5815

Computer Science Corp.
650 N. Sepulveda Blvd.
El Segundo, CA 90245

Effective immediately, Industrial Wastewater Discharge Permit No. 5815 is void for the following reason:

Exempt. This company is now *permit exempt.*

Exemption from obtaining a permit does not relieve the company of all responsibility. The company must comply with all other Districts' *Wastewater Ordinance* regulations such as keeping rainwater out of the sewer, preventing large amounts of solids or oil and grease from entering the sewer, making certain that the dissolved sulfide concentration is below 0.1 mg/l and that the pH is above 6.0 at all times. In addition, the company must comply with all of your regulations which may involve obtaining a permit through your agency. Changes in the Sanitation Districts' policies or in the company's business operations may require that the company obtain an industrial wastewater discharge permit in the future.

Very truly yours,

James F. Stahl

Suzanne S. Wienke

Suzanne S. Wienke
Supervising Civil Engineer

SSW:MR:ch

[redacted]

TO: Director / Falgore/CB

THROUGH: Bill Garrett or ASI

FROM: M. RAMS

Inspection date 11-30-01
Void request date 12-6-01
District 05
Inspection Area 303

SUBJECT: PERMIT VOID REQUEST

Please void the Industrial Waste Discharge Permit of the company below for the reason(s) indicated

A. COMPANY Computer Science Corp.

Sewa address 650 N. Sepulveda Blvd.

EL SEGUNDO Sewa zip code 90245

Mailing address Same as above

Permit No. 5815 Account No. 1800591

B. REASON FOR VOIDING

[ ] Facility demolished

[ ] Connection sealed

[ ] Property vacant

[X] Change in ownership to Boeing Aircraft Corp.

[ ] Other

C. COMMENTS: (i.e. temporary permit issued, deadline for permit submittal, on-going discharge by new owner, how connection sealed, demolition accomplished)

Inspector is JENSEN Reported the COMPANY moved out on 10/1996. Hughes Aircraft moved in then and now it is Boeing's. Is the occupant. Cooling tower only. EXEMPT.

D. TO BE COMPLETED BY PERMIT GROUP

[ ] Void completed Date 12/12/02

[ ] Copy to Surcharge Date

[ ] Copy to local agency Date

[ ] Copy to voided permit holder Date

[ ] Computer/rolodex changed Date

[ ] Original to permit file Date

1 bottom copy removed req 12-1

Baseline Monotoring Report Follow-up

Date: 4/25/84

TO : Fred Stewart

FROM : Eddie Esfandi

Comp y Name: Computer Sciences corp. Permit No: 5815

1. ☐ Please verify exempt status
2. ☐ Please complete Section(s): _____
3. ☒ No response to the BMR request, please investigate
4. ☐ Company requested to void I.W. permit, please verify
5. ☐ Other: _____

Inspector's Comments: I.W. from cooling tower overflow. They are exempt from the requirements.

Date inspected: 4/25/84

Citation Issued: Yes ☐ No ☐

INDUSTRIAL WASTE SECTION
SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 WORKMAN MILL ROAD
P.O. BOX 4998
WHITTIER, CA 90607

BASELINE MONITORING REPORT [1/]

For EPA Electroplating and Metal Finishing Point Source Category Regulations

(Please print or type)

I. COMPANY INFORMATION

Name: Computer Sciences Corp Tel: (213) 615-0811

Situs Address 650 N. Sepulveda Blvd

~~Zip 90245~~ El Segundo Ca. Zip 90245

Mailing Address (if different): _____

_____ Zip _____

Sanitation Districts' Industrial Waste Discharge Permit Number [1/] 5813

Industrial Waste Contact Person: T. Sandoval

Title: Corporate Property Management Western Region Mgr.

Person in Charge of Local Operations: R. Kelly

Title: Corporate Property Management Manager

Owner of Company: Corporation

II. CATEGORY DETERMINATION

A. Unit Operations

Please check any of the following unit operations which are performed at your facility:

1. [ ] Electroplating
2. [ ] Electroless Plating
3. [ ] Anodizing

Note: 1/ One Baseline Monitoring Report (BMR) must be completed for every industrial waste discharge point to the sewer from your facility. To obtain additional copies of this BMR form you may copy it or call Eddie Esfandi at (213) 699-7411, extension 278.

4. [ ] Coating (phosphatizing, chromating and coloring)

5. [ ] Chemical etching and milling

6. [ ] Printed circuit board manufacturing

7. [X] None of the above

B. Companies Exempt from EPA Electroplating and Metal Finishing Regulations

If you checked item number 7 in II A above, your facility is not covered by the EPA regulations for either the electroplating or metal finishing category. Your claim to such an exemption will be verified through on-site Sanitation Districts' inspections of your facility.

If you believe that your facility is not covered by the above regulations, please indicate which EPA industrial regulatory cateogry should be applied to your facility, if any:

A/C Cooling Tower discharge

Please state the Federal Standard Industrial Classification Number(s) (SIC) used for your facility: 7372 _____ _____

As your checking of item number 7 in II A above denotes you are exempt, you do not need to fully complete this Baseline Monitoring Report (BMR). Please go on to Section VIII of this form; check the exempt box and sign the accompanying statement. Please then proceed to Section X of this form, complete the certification statement and return this form to the Sanitation Districts.

C. Companies Not Exempt

If you did not check item number 7 in II A above, please continue. Please check the appropriate item(s) below:

Type of facility in the electroplating and metal finishing industry. This facility is a(n):

1. [ ] Independent Printed Circuit Board Manufacturer [Manufacturers printed circuit boards primarily for sale to other companies]

2. [ ] Job Shop [Owns less than 50% (area basis) of the materials undergoing metal finishing]

3. [ ] Captive Shop [Owns over 50% (area basis) of the materials undergoing metal finishing]

4. [ ] Integrated Facility [Combines regulated electroplating and metal finishing waste streams with significant amounts (over 10%) of process waste streams not covered by the electroplating or metal finishing regulations]

5. ☐ Nonintegrated Facility (Significant wastewater discharges only from operations covered by the electroplating or metal finishing regulations)

D. Companies Subject Only to the Electroplating Regulations

If you checked only items 1 and/or 2 in II C above (Independent Printed Circuit Board Manufacturer or Job Shop), your facility is not subject to the EPA's Metal Finishing Category regulations (40 CFR 433). However, your facility is subject to the EPA categorical regulations for the Electroplating Category (40 CFR 413). Please indicate whether or not you have previously submitted a BMR to the Sanitation Districts as required by the EPA Electroplating Category Regulations.

Yes	No	If Yes, please give date of submittal
☐	☐	_____

If your facility is covered by the Electroplating Category regulations and your company has not as yet submitted a BMR, you must fully complete this BMR and return it to the Sanitation Districts as soon as possible.

III. TOTAL TOXIC ORGANIC INFORMATION

If you checked item(s) 1 and/or 2 in II C above (Printed Circuit Board Manufacturer and/or Job Shop), your facility is subject to the revised Electroplating regulations for control of Total Toxic Organics (TTO). If you checked item(s) 3, 4 or 5 in II C above (Captive Shop, Intergrated Facility or Nonintegrated Facility), your facility is subject to the Metal Finishing Regulations for control of TTO. Please see Appendix A for a list of toxic organic chemical compounds included in TTO. Please check the appropriate box(es) below:

☐ No toxic organic compounds as listed in Appendix A are used or stored at this facility.

☐ A solvent management plan, as required by the EPA regulations, will be submitted for Districts' approval.

☐ Monitoring for TTO will be performed and information on TTO compounds in the company wastewater will be submitted to the Sanitation Districts.

Please list all organic chemical compounds regularly used or stored at your facility: _____

_____

_____

_____

If your company is subject to only the Electroplating (and not the Metal Finishing) regulations and has previously submitted a BMR to the Sanitation Districts with the information hereafter requested in this form, and no significant changes in this information are necessary, the following portion of this BMR need not be completed. Please go to Section VIII of this BMR, check the appropriate box and sign the accompanying statement. Then go to Section X, complete the certification statement and return this form to the Sanitation Districts.

IV. ENVIRONMENTAL CONTROL PERMITS

Please complete the following portions of this report if you checked item(s) 3, 4 or 5 in II C above (facilities covered by the Metal Finishing Category regulations), or if your company has not as yet filed your required BMR under the Electroplating Category regulations.

Please indicate other environmental control permits held by or for your facility (DO NOT include permits regulating air quality control)

_____

_____

_____

_____

Does your facility have an air pollution control device which produces a discharge to the sewer? Yes ☐ No ☒

V. PRODUCTION INFORMATION

Nature of Operation: _____

_____

_____

Product(s): _____

SIC Code No(s): _____ _____ _____

Rates of Production (Please tabulate below or use a separate listing)

	(1)	(2)	(3)
Name of unit operation	_____	_____	_____
Unit of production	_____	_____	_____
Daily production rate	_____	_____	_____
Monthly production rate	_____	_____	_____

VI. FLOW MEASUREMENT INFORMATION

A. Industrial Wastewater Discharge Permit Flow: [1]

Districts' Permit No. _____, Permit Flow _____ gal/day

B. Wastewater Flow Information

EPA Regulated Wastewater Flows[2]	Average Daily Flow (gal/day)	Maximum Daily Flow (gal/day)	Flow Description[3]	Regulated EPA Category[4]
(1)				
(2)				
(3)				
(4)				

Nonregulated Wastewater Flows[5]	Average Daily Flow (gal/day)	Maximum Daily Flow (gal/day)	Flow Description[3]
(1)			
(2)			
(3)			
Cooling water or other wastewater dilution flows:			
Total Industrial Wastewater Flows: (total of regulated and nonregulated wastewater flows)			

NOTES: 1/ A BMR must be completed for every industrial waste discharge point to the sewer.

2/ Wastewater flows from operations covered by EPA industrial categorical regulations.

3/ Please indicate by letter in this column whether wastewater flow value is: Estimated (E), Measured (M), Intermittent (I) or Continuous (C).

4/ Please identify the EPA regulatory category under which such wastewater is controlled.

5/ Wastewater flows from operations not covered by EPA industrial categorical regulations.

Annual water intake: in millions of gallons _____ per year.

Source of water: Purchase from water purveyor /___/

Company well /___/

VII. CONCENTRATION OF POLLUTANTS IN WASTEWATER

A. Sampling and Analysis Information

The daily maximum and average concentrations must be furnished for all regulated pollutants in all wastewater streams described in Section VI above. The wastewater must be sampled and analyzed and other information furnished as described in Appendix B. Copies of the wastewater analysis results must be attached to this BMR when it is submitted to the Sanitation Districts.

The method of wastewater sample collection used was:

/___/ Flow-proportioned composite sample

/___/ Time-proportioned composite sample

/___/ Grab sample--for which pollutants? _____ _____ _____

B. Other Wastewater Sampling and Analysis Information

Sampling dates and times: _____

_____

Wastewater sampling location(s): _____

_____

Name and address of company obtaining wastewater samples:

_____

Name and address of laboratory performing the analyses:

_____

VIII. STATEMENT OF COMPLIANCE

This statement is to be made by a qualified environmental professional or (for the exempt category) by a responsible company official.

I hereby certify that the EPA categorical pretreatment standards which apply to this company are being met on a consistent basis.

Yes /___/ No /___/ Exempt /___/

Additional pretreatment or operational and maintenance measures which are recommended to bring the company into compliance with the EPA categorical regulations are as follows:

(1)_____

(2)_____

(3)_____

(4)_____

(5)_____

Date: _____ Print Name: _____

Sign Name: _____

Qualification as an Environmental Professional: _____

_____

Company Name: _____

Company Address: _____

IX. COMPLIANCE SCHEDULE

If your company is presently in compliance with the EPA categorical pretreatment standards, or your company is exempt, disregard this item and continue on to itme number X.

If presently not in compliance with the EPA categorical pretreatment standards, please complete the following compliance schedule:

Increment of Progress	Commencement Date	Completion Date
A. Engineering investigation	_____	_____
Consultant selection, if needed	_____	_____
Review of present condition	_____	_____
Treatment process selection	_____	_____
Conceptual design	_____	_____
Final design	_____	_____
B. Permitting process	_____	_____
City/County Engineer	_____	_____

Increment of Progress	Commencement Date	Completion Date
C. Construction	_____	_____
Equipment selection	_____	_____
Installation	_____	_____
D. Start up and trouble shooting	_____	_____
E. Date of final completion and compliance	_____	_____

No progress increment shall exceed nine months and no completion date shall be later than the compliance date for the EPA pretreatment standards. Subdivide any increment if it exceeds nine months. The Districts may be able to review your conceptual design before the preparation of detail plans if the pretreatment is reasonably complex. However, the engineering investigations leading to the conceptual design need to be as complete as possible, and the Districts cannot provide design assistance. The inability of the Districts to review the designs in a timely manner does not excuse noncompliance with the EPA regulations.

X. CERTIFICATION

I certify, under the penalty of perjury, that I have personally examined, and am familiar with, all of the information in this Baseline Monitoring Report, including all attachments. Based upon my inquiry of those persons immediately responsible for obtaining the information contained in this Report, I believe that the information is true, accurate and complete.

Date: _____

Signature of responsible company official: Bob Sandoval

Print name of official: Bob Sandoval

Title of person certifying report MGR WESTERN REGION

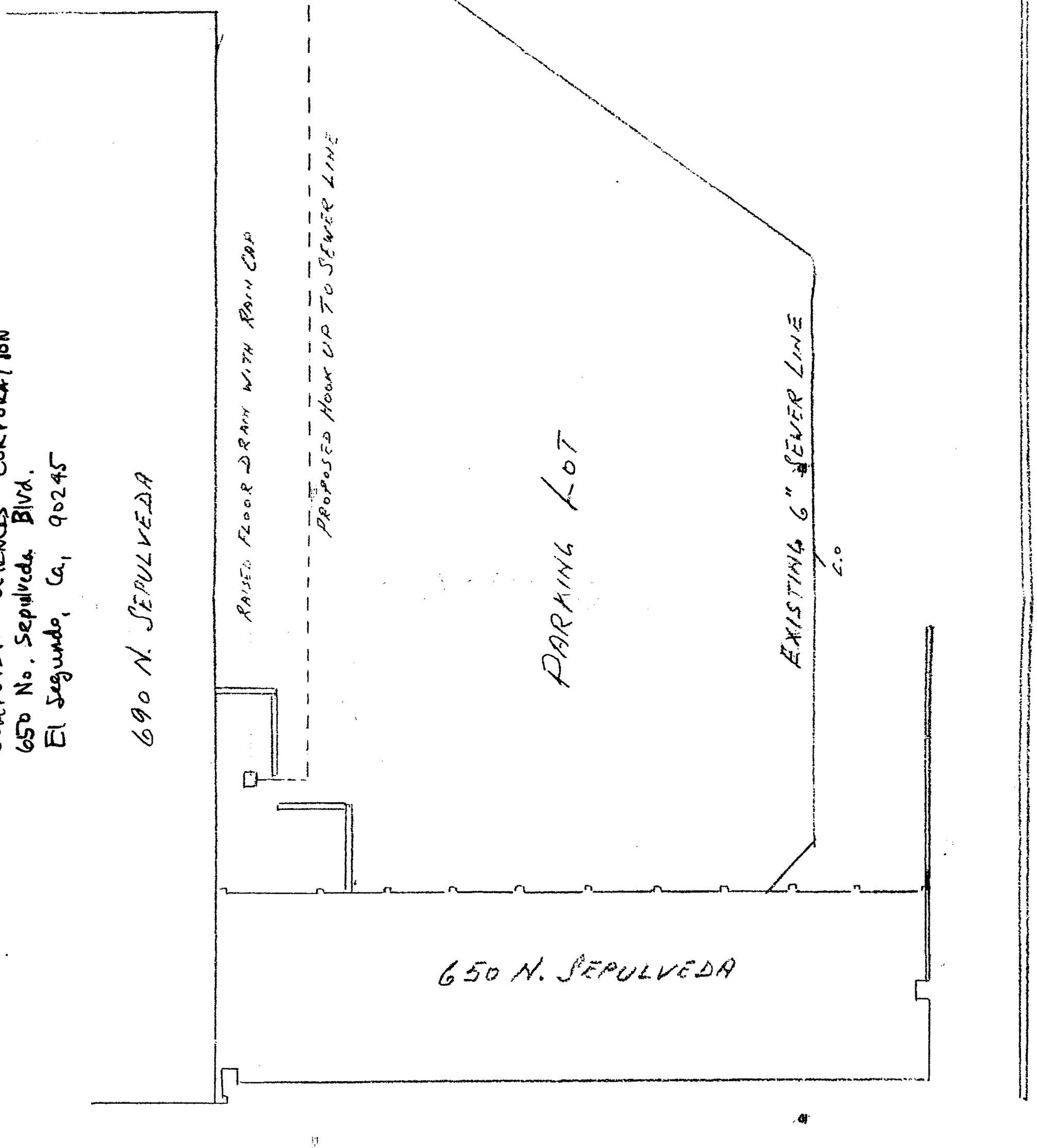
Please submit this report to:

Industrial Waste Section
Sanitation Districts of Los Angeles County
P.O. Box 4998
Whittier, CA 90607

/COMPUTER SCIENCES CORP. #5815

COMPUTER SCIENCES CORPORATION
650 No. Sepulveda Blvd.
El Segundo, Ca, 90245

690 N. SEPULVEDA



SCALE 1" = 30'0"

APPROVAL OF PLANS FOR INDUSTRIAL WASTEWATER DISCHARGE

Sanitation Dist. No. 5, John D. Parkhurst, Chief Eng. & Gen'l. Mgr.

Date 10-21-77 Sanit. Dists. Ind. Wste. Permit No. 5815

Approval is contingent upon continuing compliance with all applicable Ordinance requirements and with:

Corrections shown in red on the drawings ☐

Sanit. Dist. letter of this date ☒

File No. 5-60.05-00/ 77-5815

Reviewed by TG Checked by

Approved by A.C. Reyes
For John D. Parkhurst, Chief Eng. & Gen'l. Mgr.

Permit for sewer connection must be obtained

CSD FILE COPY

PUBLIC RECORDS REQUEST FORM

ATTENTION REQUESTOR: To fulfill your request for records, please fill out this form completely, and identify specifically the type of records you are requesting. Requests must reasonably describe identifiable records prepared, owned, used, or retained by the Sanitation Districts.

REQUESTOR INFORMATION

Name: Jeffrey L. McNeil			Date:
Company: AEI Consultants			
Mailing Address: 9445 Derby Drive			
City: Jurupa Valley	State: California	Zip Code: 92509	
Phone Number: 949-241-2999	Fax Number (optional):		
Email Address (recommended): jmcneil@compass-rms.com			

REQUESTED RECORDS

Please clearly describe each requested record or document
*(use additional copies of this form, as necessary)**

All records pertaining to Industrial Wastewater Discharge permits for the property located at: 650, 690 and 700 North Sepulveda Boulevard, El Segundo, California 90245, Also Know as 650, 690 and 700 Pacific Coast Highway, El Segundo, California 90245

Time Period of Document Requested From: 1/1/1849 To: Present

650 N. Sepulveda Blvd -
Computer Science - 005815 - inspection report - microfiche copies - link

690 & 700 N. Sepulveda Blvd - NO RECORD FOUND

Time Period of Document Requested From: To:

Time Period of Document Requested From: To:

* *Requests that are not specific and focused will be returned for more information. If requested, the Sanitation Districts will assist you in making focused and effective requests for identifiable records. The Sanitation Districts will not create new documents or records in response to a request.*

Digitally signed by Jeffrey L. McNeil
DN: cn=Jeffrey L. McNeil, o=Compass Risk Management Services, ou, email=jmcneil@compass-rms.com, c=US
Date: 2020.05.26 20:11:56 -07'00'

Signature of Requestor

Submit requests by mail, email or fax to:

Records Administrator
County Sanitation Districts of Los Angeles County
P.O. Box 4998
Whittier, CA 90607-4998
records_administrator@lacsd.org
Fax (562) 699-5422

Office Use Only:

Date request received:
Date initial response issued:
Date request was closed:

DOC # 1503368

MAY 26 '20 AM 7:46

DOC #

Smith L

Pmt

COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

JAMES F. STAHL
Chief Engineer and General Manager

January 15, 2002
File: 05-02-5815
Account No.: 1800591

Mr. Steve Tsumura
Environmental Safety Coordinator
City of El Segundo
350 Main St.
El Segundo, CA 90245

Dear Mr. Tsumura:

Industrial Wastewater Discharge Permit No. 5815

Computer Science Corp.
650 N. Sepulveda Blvd.
El Segundo, CA 90245

Effective immediately, Industrial Wastewater Discharge Permit No. 5815 is void for the following reason:

Exempt. This company is now *permit exempt.*

Exemption from obtaining a permit does not relieve the company of all responsibility. The company must comply with all other Districts' *Wastewater Ordinance* regulations such as keeping rainwater out of the sewer, preventing large amounts of solids or oil and grease from entering the sewer, making certain that the dissolved sulfide concentration is below 0.1 mg/ℓ and that the pH is above 6.0 at all times. In addition, the company must comply with all of your regulations which may involve obtaining a permit through your agency. Changes in the Sanitation Districts' policies or in the company's business operations may require that the company obtain an industrial wastewater discharge permit in the future.

Very truly yours,

James F. Stahl
Suzanne S. Wienke

Suzanne S. Wienke
Supervising Civil Engineer

SSW:MR:cb

Recycled Paper

IW LACSD
000000039143

TO: Directo / Kilgore / CB

THROUGH: Bill Garrett or ASI

FROM: M. RAMS

Inspection date 11-30-01
Void request date 12-6-01
District 05
Inspection Area 303

SUBJECT: PERMIT VOID REQUEST

Please void the Industrial Waste Discharge Permit of the company below for the reason(s) indicated.

A. COMPANY Computer Science Corp.

Situs address 650 N. Sepulveda Blvd.

EL SEGUNDO Situs zip code 90245

Mailing address Same as situs.

Permit No. 5815 Account No. 1800591

B. REASON FOR VOIDING

[ ] Facility demolished

[ ] Connection sealed

[ ] Property vacant

[X] Change in ownership to Boeing Aircraft Corp.

[X] Other

C. COMMENTS: (i.e. temporary permit issued, deadline for permit submittal, on-going discharge by new owner, how connection sealed, demolition accomplished)

~~Inspector K. JENSEN Reported~~ THE COMPANY was out of the facility ON 10/1996. HUGHES AIRCRAFT MOVED IN then AND NOW it is BOEING is the occupant. Cooling tower only. permit EXEMPT.

D. TO BE COMPLETED BY PERMIT GROUP

[ ] Void completed Date 12/6/02

[ ] Copy to Surcharge Date 12/5/02

[ ] Copy to local agency Date 12/5/02

[ ] Copy to voided permit holder Date

[ ] Computer/rolodex changed Date

[ ] Original to permit file Date

ecology and environment, inc.
717 W. TEMPLE ST., LOS ANGELES, CA 90012, TEL. 213-481-3870
International Specialists in the Environment

MEMORANDUM

TO: Paul La Courreye, EPA Region 9 Site Screening Coordinator

FROM: Robert L. Wise, Ecology and Environment, Inc.

DATE: August 31, 1988

SUBJECT: Reassessment of Devlin Pharmaceutical Inc.
700 N. Sepulveda Blvd.
El Segundo, Ca. 92045
Los Angles County

EPA ID#: CAD981373848

TROUGH: Dan Millison, Ecology and Environment, Inc. DM

COPY: FIT Master File
Patty Cook, Ecology and Environment, Inc.
Don Plain, California Department of
Health Services, Sacramento

INTRODUCTION

Under Technical Directive Document number F9-8709-019, Ecology and Environment, Inc.'s Field Investigation Team (FIT) has been tasked to reassess all Preliminary Assessments (PAs) in the Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) with "active" or "pending" status according to guidelines established to implement the Superfund Amendments and Reauthorization Act (SARA). The strategy for determination of further action under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) is based solely on each site's potential to achieve a score high enough on the Hazard Ranking System (HRS) for inclusion on the National Priorities List (NPL). This strategy is intended to identify those sites posing the highest relative risk to human health or the environment. All other sites needing remedial or enforcement follow-up will be referred to the State or an appropriate Federal agency.

This site was evaluated primarily using the original HRS model. Additionally, this site was also evaluated for its potential to score using the draft revised HRS model. The following is a summary of FIT's findings with regard to this site.

recycled paper

SUMMARY

Devlin Pharmaceuticals (Devlin) was located at 700 N. Sepulveda Blvd., El Segundo, California (Los Angeles County) from 1974 to 1981. The site is owned by Mr. Bruce Rabin and is currently occupied by Hughes Aircraft Company (HAC). HAC has no manufacturing capabilities and uses the site for storage of furniture.

Operation began at the site in 1958. Mr. Rabin operated a pharmaceutical and lighter fluid manufacturing facility on the property. The property was leased to Bergan Brunswick in 1966. Bergan Brunswick manufactured pharmaceuticals. In 1974 the property was leased to Devlin Pharmaceuticals Inc. Devlin manufactured pharmaceuticals and vitamins. Devlin vacated the site in 1981, and in 1982 the present lease holder, HAC, rented the property.

When the operation was started by Rabin in 1958, eight underground storage tanks were installed. The tanks contained gasoline, mineral oils, alcohols and solvents for lighter fluid production. The tanks were made of concrete and from available CERCLIS file information, there is no evidence to indicate that the tanks leaked. The tanks and the lines to the tanks were removed in 1982 by Rabin (prior to the HAC lease).

Bergen Brunswick had a clarifier installed but did not use the underground tanks. The exact nature of the waste is not known but is assumed to be non-hazardous based on the PA done by John Casey of the California Department of Health Services (DOHS).

Devlin also operated the clarifier and did not use the underground tanks. All waste generated were non-hazardous and sewerable.

There is no surface water use within three miles of the site.

In 1985 HAC submitted clarifier sludge samples to the IT Corporation for analysis. Based on this analysis, there no evidence to indicate the potential for air contamination.

The wastes on-site have a maximum toxicity value due to the presence of metals, including zinc, lead and chromium. From available CERCLIS file information there is no evidence indicating releases from the tanks or potential contamination. The waste quantity is low, and the containers showed no evidence of destabilization. Although the underlying strata is highly permeable, there is no evidence indicating contamination of the Silverado aquifer, which serves a population of over 10,000persons from well within 3 miles of the site. The aquifer lies at a depth of 200 to 250 feet .

A PA was done in November of 1985 by the DOHS recommending active status, low priority. The recommendation was based on the unregulated removal of the tanks by Rabin (threat of potential contamination of soil during removal).

FIT does not concur with the previous conclusion, and recommends no further action. A preliminary HRS screening estimate does not support the site's eligibility to be considered for inclusion on the National Priorities List (NPL) due to: (1) low waste quantity disposed on site; (2) good containment of material; (3) no surface water targets; (4) no indication of airborne contamination; and (5) depth of the aquifer.

RECOMMENDATION

1. EPA

FIT, under CERCLA, recommends no further action for the Devlin Pharmaceutical Inc. site. The recommendation is based on the following:

- o no evidence of on-site contamination;
- o low potential for air release;
- o low waste quantity;
- o no surface water targets; and
- o there is a low potential for observed release to groundwater due to the stability of the containment vessels.

2. State or other Agency

Copies of this reassessment will be sent to DOHS for its consideration.

EPA CONCURRENCE	Initial	Date
No Further Action Under CERCLA	[signature]	12-2-87
High Priority SSI		
Medium Priority SSI		

ATTACHMENT 1
SITE TRACKING SHEET

Site Name: DERLIN PHARMACEUTICAL, INC. / HUGHES AIRCRAFT.

Site Location: 700 N. SEPULVEDA BLVD.
EL SEGUNDO, CA 90245.

ASPIS Facility File Number: _____

Site Screening _____ **PA** _____ **SI** _____

Site Summary: B. Rabin started a pharmaceutical Company on the above site in 1958. They were also manufactured Ronsin Lighter fluid. Eight underground tanks were installed and used to store gasoline, mineral oils, alcohols, and solvents. After 1966 that was leased to two other pharmaceutical companies, none of them used the underground tanks. In 1982 Hughes aircraft leased it to use as a warehouse. Before leasing to Hughes, all underground tanks were removed by Rabin without regulatory oversight and their integrity was unknown.

Recommendation: SI required.

Rationale/Supporting Documentation: SI recommended in PA Summary

Supervisor: _____ **Preparer:** [signature]

Hours Spent: _____ **Date:** 7-12-90

APPENDIX F

PREVIOUS REPORTS

RAMBOLL ENVIRON

ENVIRONMENT
& HEALTH

Aerospace Center LLC, a California limited liability company
Rabin Family LLC, a California limited liability company
Ronnie Dalesandro and Susan Hymers, not individually but as Trustees of The Rabin Trust
John D. Winters and Sherry Winters, not individually but as Trustees of the Elaine Winters Survivors Trust
John D. Winters and Sherry Winters, not individually but as Executors of the Estate of Elaine Winters
c/o Liner LLP
1100 Glendon Avenue, 14th Floor
Los Angeles, CA 90024

REPORT OF PHASE II SUBSURFACE INVESTIGATION
700 N. SEPULVEDA BOULEVARD
EL SEGUNDO, CALIFORNIA

May 13, 2016

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To Whom It May Concern,

Ramboll Environ US Corporation (Ramboll Environ) is pleased to submit this report to Aerospace Center LLC, a California limited liability company; Rabin Family LLC, a California limited liability company; Ronnie Dalesandro and Susan Hymers, not individually but as Trustees of The Rabin Trust; John D. Winters and Sherry Winters, not individually but as Trustees of the Elaine Winters Survivors Trust; and, John D. Winters and Sherry Winters, not individually but as Executors of the Estate of Elaine Winters to present the findings of a Phase II subsurface investigation conducted recently at the property located at 700 N. Sepulveda Boulevard, El Segundo, California (the "site:" see Figure 1). The Phase II subsurface investigation was performed in accordance with the proposal provided to Liner LLP on February 4, 2016.

BACKGROUND

Based solely on information provided in a Phase I environmental site assessment (ESA) performed by Partner Engineering and Science, Inc. (Partner) in September 2015 (Phase I Environmental Site Assessment Report, Boeing Building II, 700 N. Sepulveda Boulevard, El Segundo, California, dated September 18, 2015 [the "2015 Phase I Report"]), the approximately 1.99 acre site was undeveloped until approximately 1927. Between approximately 1927 and 1938, the site was used as agricultural land. In approximately 1957, the current building was constructed on the site. According to the 2015 Phase I Report, tenants at the site have included Pharmaceutical Co. (1958), The Rabin Company/Pharmapak Drug Company (1960), Rabin Winters Corporation (1962-1967), Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974), BBC Laboratories (1971), Norton Products/Tannehill Pharmaceuticals (1971), Devlin Pharmaceuticals (1974-1981), Hughes Aircraft Company (1982-1999), and The Boeing Company (2008 - present).

Between 1958 and 1985, eight 1,000 gallon USTs of concrete construction were present on the site and used for the storage of gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. In 1985, the tanks were filled in place but were subsequently removed from the site in 1990, reportedly without regulatory closure. In addition, between 1966 and 1985 a concrete clarifier was in use at the site. In 1985, the clarifier was abandoned under the regulatory oversight of the Los Angeles County Department of Public Works (DPW). The site received no further action (NFA) status for the clarifier in 1994. However, no

documentation regarding the closure of the clarifier, including whether any sampling was performed as part of closure activities, was provided for Partner's review. As a result, Partner characterized this issue as a recognized environmental condition (REC) in the 2015 Phase I Report.

In addition, no subsurface characterization activities are known to have been conducted in the vicinity of the former USTs or the concrete clarifier. As a result, and with the specific objective of evaluating the potential for the REC identified by Partner in its 2015 Phase I Report to have impacted the subsurface of the site, Ramboll Environ proposed to complete the scope of work presented in our proposal dated May 12, 2016 and as described below; based on the anticipated depth to groundwater in the site vicinity (on the order of approximately 100 feet), no groundwater sampling was performed as part of the Phase II subsurface investigation.

SCOPE OF WORK

The scope of work included (Task 1) pre-field activities and mobilization; (Task 2) soil and soil vapor sampling; (Task 3) laboratory testing; and (Task 4) data evaluation and reporting. Drilling and sampling activities were supervised by Ramboll Environ field personnel working under the supervision of a California Registered Professional Geologist.

PRE-FIELD ACTIVITIES AND MOBILIZATION

Prior to implementation of the subsurface investigation, a geophysical survey was performed at the site on March 5, 2016, by Spectrum Geophysics of Chatsworth, California in an effort to locate the former UST area and the clarifier. The geophysical survey was performed using a variety of equipment, including EM-61 high sensitivity metal detection, shallow focus terrain conductivity, ground penetrating radar, and electromagnetic utility-locating methods. According to the 2015 Phase I ESA Report, the exact locations of the former UST area and clarifier are not known; the tanks were described as being located "north of the building near receiving." The location of the clarifier is not known but may be located in proximity to the former UST area (information contained in an appendix to the 2015 Phase I Report contains a hand drawn map with a feature labelled as a "large stationary cylindrical tank;" this feature is located to the immediate west of the former UST area and could possibly be the clarifier). As a result, the focus of the geophysical survey was an approximately 11,500 square foot area to the north of the building marked "USTs" on Figure 2 in the 2015 Phase I Report (and shown on Figure 1 in this report). The results of the geophysical survey indicated an anomaly within the survey area that was interpreted by Spectrum Geophysics to be the "most likely" location of the former USTs; the anomaly was observed in the general area marked "USTs" on Figure 2 in the 2015 Phase I Report. Furthermore, this anomaly approximately coincided with a patched area observed on the asphalt surface. No feature indicative of the former concrete clarifier was identified in the surveyed area. The geophysical survey report provided by Spectrum Geophysics is included in Attachment A.

In addition to the area that was cleared for the presence of underground pipes/utilities by Spectrum Geophysics' geophysical survey, Ramboll Environ contacted Underground Services Alert (DigAlert) to mark the locations of all major utilities at the site boundaries.

Prior to initiating drilling activities, Ramboll Environ prepared a site-specific Health and Safety Plan (HASP). The HASP was designed to minimize exposure of Ramboll Environ's field personnel to potentially hazardous materials. All field personnel were required to implement the procedures presented in the HASP while performing field work. As part of this task, Ramboll Environ also contracted with the appropriate subcontractors for the planned fieldwork.

SOIL VAPOR SURVEY AND SOIL SAMPLING

On March 19, 2016, under Ramboll Environ's oversight, BC2 Environmental of Orange, California, advanced 6 soil borings (SB-1 through SB-6) in the area identified as an anomaly during the geophysical survey (see Figure 1). Because the location of the concrete clarifier could not be identified, the soil borings planned for that area (SB-7 and SB-8) were not drilled. At each soil boring location, the asphalt surface was penetrated using a direct push drilling rig, then the soil boring was hand augered to approximately 5 feet below ground surface (bgs) to confirm that no subsurface utilities or lines were present at that location. Once the top 5 feet was hand augered, each soil boring was then advanced to its total depth of approximately 15 feet bgs using a direct push drilling rig. The soil borings were logged in accordance with

the Unified Soil Classification System (USCS) and monitored using an organic vapor meter photoionization device (PID) equipped with a 10.6 electron volt lamp calibrated against an isobutylene standard.

In each soil boring, soil samples were collected at three depth intervals ("shallow," "middle," and "deep"). Soil samples were collected in an attempt to sample native soil and sample depths were adjusted based on soil composition changes from backfill material to native soil in the former USTs area. The depth interval for the shallow and middle sample in each soil boring varied from 7 to 11 feet and 10 to 13 feet bgs, respectively. The depth interval for the deep soil sample at each location was 15 feet bgs.

Soil samples for volatile organic compound (VOC) analyses were collected using Encore soil samplers and sample containers, while soil samples collected for all other analysis were collected in acetate sleeves with Teflon-lined plastic end caps or glass sampling jars with plastic lids. Soil samples were labelled, placed in plastic Ziploc bags for additional containment purposes, and then placed in an insulated cooler with ice for shipment to the laboratory under chain-of-custody protocols. Samples were delivered to TestAmerica Laboratories, Inc., of Irvine, California, for analytical testing. The two shallowest samples from each soil boring were laboratory analyzed, while the deeper samples were placed on hold at the laboratory, pending analytical results of the shallower samples. Soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline-, diesel fuel-, and oil-range hydrocarbons (TPH-g, TPH-d, and TPH-o, respectively) in accordance with United States Environmental Protection Agency (USEPA) Method 8015 Modified; VOCs, in accordance with USEPA Method 8260B; and California Manual 17 Metals by (USEPA) Methods 6010B/7471A.

Soil borings were converted to temporary soil vapor probes at depths of approximately 10.5 ft bgs in SB-1 through SB-3, SB-5, and SB-6, and 12 ft bgs in SB-4 (the vapor probe was installed at 12 ft bgs in SB-4 to place it in native soil). The soil vapor probes were installed and sampled in general accordance with the guidelines established by the California Environmental Protection Agency (Cal/EPA), the Department of Toxic Substances Control, the Los Angeles Regional Water Quality Control Board, and the San Francisco Bay Regional Water Quality Control Board in "*Advisory Active Soil Gas Investigations*", dated July 2015 (the advisory). The soil vapor probes were constructed with a temporary airstone filter and 1/4 inch tubing equipped with a valve at its termination. The probe tip was set with a minimum of 6 inches of sand on each side, or one foot total depth, and a minimum of 6 inches of dry bentonite was placed below and above this sand pack.

Following an equilibration period of at least 120 minutes (in accordance with the advisory), each soil vapor probe was sampled. Soil vapor samples were collected in vapor-tight glass syringes and analyzed in an onsite mobile laboratory operated by H&P Mobile Geochemistry of Carlsbad, California. In addition to the 6 primary soil vapor samples, a duplicate sample was collected from probe SV-1-10.5 and a material blank sample was collected from a soil vapor probe and associated tubing assembled and installed by BC2 Environmental. Each soil vapor sample was analyzed for the full suite of VOCs in accordance with USEPA Method 8260B.

In accordance with the advisory, each soil vapor probe was purged three purge volumes before sampling. Additionally before sampling, a shut-in test and a leak test (utilizing the compound 1,1-difluoroethane) were performed in accordance with advisory guidelines to confirm that no leaks existed in the above ground sampling equipment and that ambient air had not been allowed into the soil vapor sample. The analysis of soil vapor samples and the material blank did not indicate the presence of 1,1-difluroethane at concentrations above laboratory reporting limits, indicating that these samples are considered to be representative of the soil vapor at each respective location and depth.

Prior to collection of samples and between successive sampling attempts, sampling equipment was decontaminated to minimize the potential for cross-contamination. After the collection of soil vapor samples, the tubing was removed from each sampling location, the boreholes sealed with hydrated bentonite, and patched to match the surrounding asphalt surface.

Soil cuttings and decontamination water generated during subsurface investigation activities were placed in a 55-gallon Department of Transportation (DOT)-rated drum and stored on site pending offsite disposal.

Results of Sampling

The lithology at the site consisted of dark reddish brown sand extending from the surface to approximately 8 to 12 ft bgs, and transitioned to red sand to the total depth drilled (approximately 15 ft bgs). The transition from dark reddish brown to red sand was considered the contact between backfill material and native soil. In SB-4 and SB-5, pieces of concrete or asphalt-like materials were encountered within the upper approximately 12 feet while drilling, possibly indicating that those materials made up some of the backfill material used when the USTs were removed and the area backfilled.

Analytical results for soil vapor samples are summarized in Table 1 and analytical results for soil samples are summarized in Tables 2a and 2b; laboratory analytical reports are included in Attachment B (soil vapor samples) and Attachment C (soil samples).

Soil Vapor

The following analytes were detected at concentrations above the respective laboratory reporting limits: benzene; carbon tetrachloride; chloroform; 1,1-dichloroethene, dichlorodi-fluoromethane (F12); ethylbenzene; m,p-xylene; o-xylene; naphthalene, tetrachloroethene, toluene; trichloroethene; 1,1,2-trichloro-trifluoroethane (F113), and trichlorofluoromethane (F11).

Soil

The following analytes were detected at concentrations above the laboratory reporting limits: TPH-d and TPH-o, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

SOIL VAPOR AND SOIL SCREENING LEVELS

In evaluating the soil vapor data, Ramboll Environ considered risk-based soil vapor screening levels for residential land use, based on the USEPA Regional Screening Levels (RSLs)(USEPA 2015) and/or Department of Toxic Substances Control (DTSC)-modified screening levels (SLs). The development of the screening levels is described below.

The DTSC-modified RSLs or USEPA RSLs are concentrations of chemicals in residential air that the Cal/EPA and/or USEPA consider to be below thresholds of concern for risks to human health over a lifetime. The thresholds of concern used to develop the RSLs are an excess lifetime cancer risk of one-in-a-million (10^{-6}) and a hazard quotient (HQ) of 1.0 for noncancer health effects. The NCP (40 Code of Federal Regulations [CFR] § 300) is commonly cited as the basis for target risk and hazard levels. According to the NCP, lifetime incremental cancer risks posed by a site should not exceed one in a million (1×10^{-6}) to one hundred in a million (1×10^{-4}), and noncarcinogenic chemicals should not be present at levels expected to cause adverse health effects (i.e., HI greater than one). As a conservative measure, the RSLs are calculated to correspond to an estimated cancer risk of 1×10^{-6} (the low or conservative end of the target risk range) or a noncancer HQ of 1.0. The USEPA RSLs were used unless the DTSC-modified RSLs were more stringent. Under this approach, the DTSC-modified RSLs were used for benzene and PCE.

Soil screening levels were obtained from the USEPA RSL Summary Table (USEPA 2015), and the soil vapor screening levels were derived from the DTSC, Human and Ecological Risk Office Note 3 (Cal/EPA 2016), and/or the Regional Screening Level Summary Table (USEPA 2015). Both the soil vapor and soil screening levels are provided in Tables 1 (soil vapor) and 2a and 2b (soil), respectively.

DATA EVALUATION

Soil vapor results were compared to screening levels derived from Cal/EPA and/or USEPA in a future residential building land use scenario, as described above. None of the VOC compounds that were detected above laboratory reporting limits in the soil vapor samples exceeded their respective screening levels.

Soil sample results were compared to USEPA RSLs for soils in a residential land use scenario. As indicated above, the only compound detected in any of the soil samples that exceeded its respective USEPA RSL was arsenic. Arsenic was detected in four soil samples (SB-2-10, SB-3-10, SB-4-11, and SB-5-10) at concentrations ranging from 3.6 to 4.3 milligrams per kilogram (mg/kg). These concentrations exceed both the residential and commercial/industrial land use USEPA RSLs for arsenic of 0.68 and 3.0 mg/kg, respectively. Arsenic is a naturally occurring metal in soil and tends to be present in native California soils

at concentrations that exceed applicable regulatory thresholds. According to one source,[1] the average concentration of arsenic detected in California soils is 3.5 mg/kg (with a minimum detection of 0.6 mg/kg and a maximum detection of 11.0 mg/kg in the samples collected for this study); in a second source,[2] naturally-occurring arsenic was detected in California soils at concentrations ranging from 0.3 mg/kg to 69 mg/kg. A third study specific to Southern California soils,[3] and based on statistical analysis of a large data set from school sites in Los Angeles County, gave an upper-bound background arsenic concentration of 12 mg/kg. In addition, detected concentrations of arsenic are relatively consistent throughout the samples collected at the site. Therefore, it is Ramboll Environ's opinion that the arsenic detected in the soil at the site is naturally occurring.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the sampling described above, it is Ramboll Environ's professional opinion that (a) the investigation that was conducted by Ramboll Environ was a reasonable and prudent investigation designed to assess the potential impacts from historic USTs and a clarifier at the site and should be deemed to be 'all appropriate inquiry' with respect to such potential impact; (b) the low concentrations of constituents detected in the soil vapor and soil sampling results in the area of the site investigated (i) were well below the residential screening levels, the most restrictive applicable screening levels; (ii) are consistent with a no further action status for the site; (iii) are not indicative of any release or condition which has adversely impacted the environmental integrity of the site, which would require additional investigation, monitoring, or remediation or reporting to any governmental agency; (c) are not indicative of conditions which would require special handling in connection with the redevelopment of the site; and (d) no further investigation, monitoring, or remediation is recommended or warranted.

Please call any of the undersigned if you should have questions.

Very truly yours,

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Enclosures

[1] *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science, March 1996.
[2] *Elements in North American Soils*, James Dragun, PhD, and Andrew Chiasson, 1991.
[3] *Determination of a Southern California Regional Background Concentration*, California, Department of Toxic Substances Control, undated.

REFERENCES

California EPA. 2016. Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs).

United States Environmental Protection Agency. 2015. Regional Screening Level (RSL) Summary Table. November.

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TABLES

Table 1: Volatile Organic Compounds in Soil Vapor
700 N. Sepulveda Blvd.
El Segundo, California

	Analytes (µg/L)													
Sample ID	**Benzene**	**Carbon tetrachloride**	**Chloroform**	**Dichlorodi-fluoromethane (F12)**	**1,1-Dichloroethene**	**Ethylbenzene**	**m,p-Xylene**	**o-Xylene**	**Naphthalene**	**Tetrachloroethene**	**Toluene**	**Trichloroethene**	**Trichlorofluoro+ methane (F11)**	**1,1,2-Trichloro-trifluoroethane (F113)**
CA Indoor Air Soil Gas Screening Level	0.097	0.067	0.12	100	73	1.1	100	100	0.083	0.48	310	0.48	1300	31,000
SV-1-10.5	**0.04**	0.02	0.03	0.32	0.74	<0.10	<0.10	<0.10	<0.02	0.06	<0.20	0.02	0.59	0.13
SV-1-10.5 REP	**0.03**	<0.02	0.03	0.28	0.64	<0.10	<0.10	<0.10	<0.02	0.05	<0.02	<0.02	0.52	0.11
SV-2-10.5	**0.03**	<0.02	0.02	<0.10	0.48	<0.10	0.14	<0.10	<0.02	<0.02	<0.02	<0.02	<0.10	<0.10
SV-3-10.5	**0.03**	<0.02	0.03	<0.10	2.0	<0.10	0.23	<0.10	<0.02	0.03	<0.02	0.04	<0.10	0.29
SV-4-12	**0.02**	<0.02	0.03	<0.10	1.7	0.57	2.4	0.97	<0.02	0.06	1.3	0.04	0.17	0.27
SV-5-10.5	**0.04**	<0.02	<0.02	<0.10	<0.10	<0.10	0.15	<0.10	<0.02	<0.02	<0.02	<0.02	0.11	0.21
SV-6-10.5	**0.05**	0.02	0.04	<0.10	2.6	<0.10	0.29	0.13	0.04	0.06	0.22	0.06	0.14	0.31

Notes:

All data sampled on March 19, 2016

Results Exceeding the California Indoor Air Soil Gas Screening Level (TR=10^{-6}) for Future Residential Building Scenario value are highlighted yellow (no exceedances).

µg/L - micrograms per liter

Table 2a: Summary of Detected
Total Petroleum Hydrocarbons in Soil Samples
700 N. Sepulveda
El Segundo, California

		Analytes (mg/kg)		
Sample ID	**Sample Date**	**Sample Depth (feet)**	**TPH - Diesel Fuel Range Hydrocarbons (C13-C22)**	**TPH - Oil Range Hydrocarbons (C23-C40)**
USEPA Residential RSL (mg/kg)			96	2,500
USEPA Industrial RSL (mg/kg)			440	33,000
SB-1-7	3/19/2016	7	<4.9	<4.9
SB-1-10	3/19/2016	10	<4.9	<4.9
SB-2-8	3/19/2016	8	<4.9	<4.9
SB-2-10	3/19/2016	10	<5.0	<5.0
SB-3-8	3/19/2016	8	<5.0	<5.0
SB-3-10	3/19/2016	10	6.0	<4.9
SB-4-11	3/19/2016	11	<11	<11
SB-4-13	3/19/2016	13	<50	110
SB-5-7.5	3/19/2016	8	<4.9	32
SB-5-10	3/19/2016	10	<5.0	12
SB-6-7	3/19/2016	7	<4.9	17
SB-6-11	3/19/2016	11	<10	48

Notes:

mg/kg - milligrams per kilogram

USEPA - United States Environmental Protection Agency

RSL - Regional Screening Level

Table 2b: Summary of Detected Metals in Soil Samples
700 N. Sepulveda
El Segundo, California

			Analytes (mg/kg)										
Sample ID	**Sample Date**	**Sample Depth (feet)**	**Arsenic**	**Barium**	**Beryllium**	**Chromium**	**Cobalt**	**Copper**	**Lead**	**Mercury**	**Nickel**	**Vanadium**	**Zinc**
USEPA Residential RSL (mg/kg)			0.68	15000	160	120,000	23	3100	400	11	820	390	23000
USEPA Industrial RSL (mg/kg)			3.0	220,000	2,300	1,800,000	350	47000	800	46	11000	5800	350000
SB-1-7	3/19/2016	7	<3.0	41	<0.50	11	3.1	4.8	2.3	0.026	5.5	17	15
SB-1-10	3/19/2016	10	<3.0	87	0.53	18	7.1	11	4.6	0.030	9.7	31	29
SB-2-8	3/19/2016	8	<3.0	86	0.69	21	11	14	5.5	0.027	12	35	37
SB-2-10	3/19/2016	10	**4.3**	64	0.65	25	3.5	12	4.9	<0.020	11	34	32
SB-3-8	3/19/2016	8	<3.0	63	<0.50	16	5.6	9.8	4.1	0.039	8.8	29	26
SB-3-10	3/19/2016	10	**3.6**	83	0.63	22	8	16	5.2	0.023	14	36	38
SB-4-11	3/19/2016	11	**4.1**	72	0.69	26	5.5	12	5.2	<0.020	12	36	31
SB-4-13	3/19/2016	13	<3.0	49	0.50	15	6.5	8.1	3.6	<0.020	8.5	22	22
SB-5-7.5	3/19/2016	8	<3.0	47	<0.50	14	3.5	5.9	4.8	<0.020	6.8	19	24
SB-5-10	3/19/2016	10	**3.8**	65	0.60	22	4.6	12	5.0	<0.020	11	33	30
SB-6-7	3/19/2016	7	<3.0	82	<0.50	18	6.2	9.9	5.3	0.026	9.8	30	34
SB-6-11	3/19/2016	11	<3.0	92	0.53	19	6.8	12	7.4	0.021	11	33	60

Notes:

mg/Kg - milligrams per kilogram

USEPA - United States Environmental Protection Agency

RSL - Regional Screening Level

Detected concentration exceeds USEPA RSL

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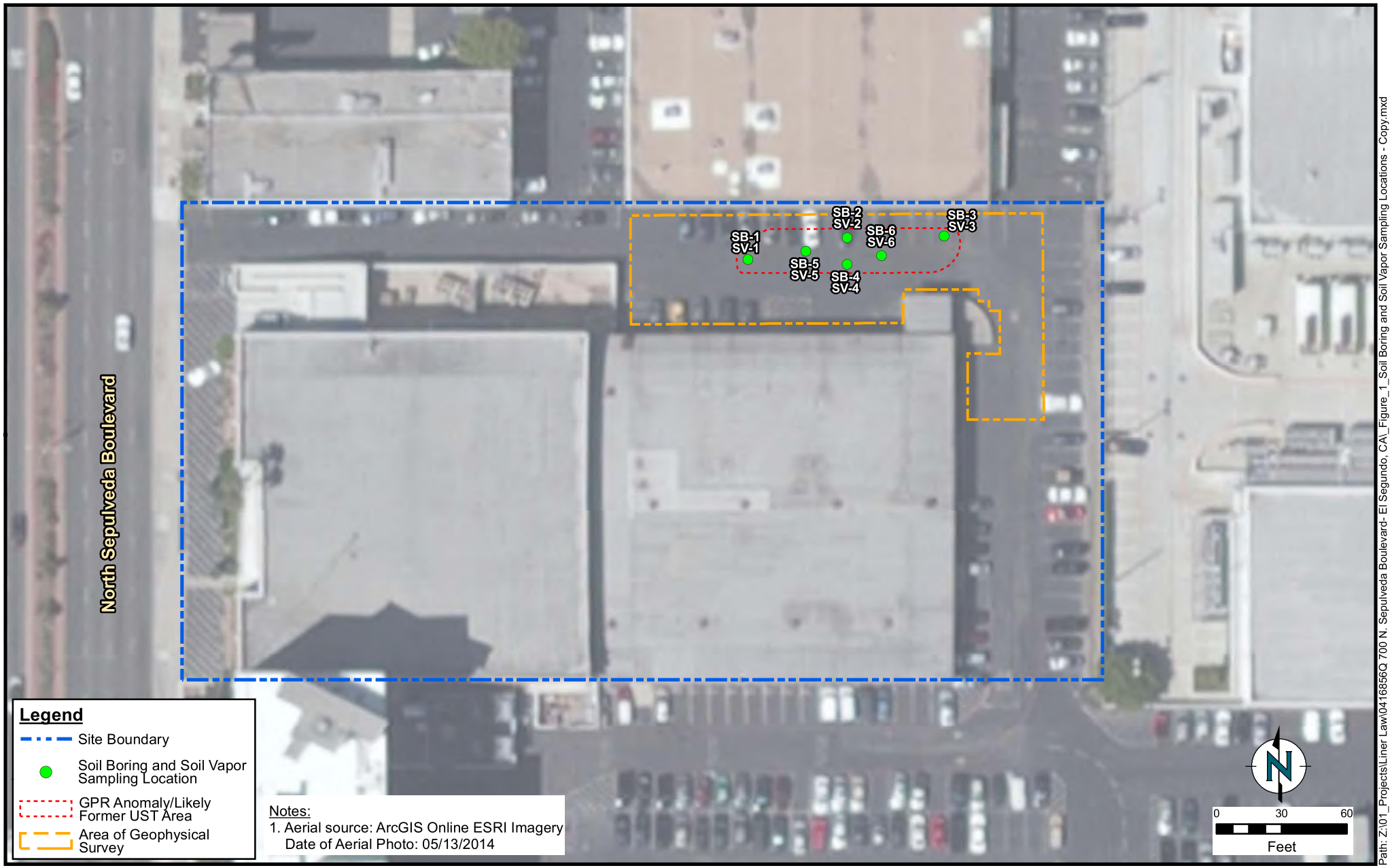
FIGURE



Path: Z:\01_Projects\Liner Law\04-16856Q 700 N. Sepulveda Boulevard- El Segundo, CA_Figure_1_Soil Boring and Soil Vapor Sampling Locations - Copy.mxd

RAMBOLL ENVIRON

Soil Boring and Soil Vapor Sampling Locations

700 North Sepulveda Boulevard
El Segundo, California 90245

Figure
1

DRAFTED BY: KMY | Date: 4/8/2016 | PROJECT: 04-16856Q

RAMBOLL ENVIRON

ATTACHMENT A
GEOPHYSICAL SURVEY REPORT

Ramboll

Report

Commercial Site
700 N. Sepulveda Boulevard
El Segundo, California
Project #1603051Z

Charles Carter
California Professional Geophysicist
3505 Cadillac Ave. Ste. 0-209,
Costa Mesa, CA 92626

20434 Corisco Street
Chatsworth, California
1-877-565-3590

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SPECTRUM GEOPHYSICS, 20434 CORISCO STREET, CHATSWORTH, CALIFORNIA 91311

1.0 INTRODUCTION

On March 5, 2016, Spectrum Geophysics conducted a geophysical investigation at a commercial property located at 700 North Sepulveda Boulevard in El Segundo, California. The purpose of the investigation was to delineate the surface trace of detectable steel underground storage tanks (USTs), backfilled excavations or concrete clarifiers within the 190-foot by 95-foot survey area. The area of investigation, as designated by Patrick Holland-Stergar of Ramboll, was primarily asphalt covered though some areas of concrete were visible adjacent to the building.

The expected surficial geology in the upper 8 feet (maximum depth of geophysical investigation) of the survey area was Quaternary Eolian and Dune deposits consisting of wind-blown sands. There may also be artificial fill from previous construction. The water table is expected to be below the maximum depth of investigation, but moisture in the upper five feet of soil can contribute to signal attenuation in ground penetrating radar data. Based on information provided by the Client, the site was occupied by a Boeing facility in the past and had up to 8 USTs present.

Site interferences included a building, several stairwells, a loading dock, several metallic vault lids, bollards, trash bins, and a drain invert.

2.0 EQUIPMENT

The equipment used during this investigation consisted of a Geonics EM-61 high-sensitivity metal detector, a Sensors & Software “Noggin Smart Cart” ground penetrating radar, a shallow-focus metal detector (M-scope), and electromagnetic (EM) utility-locating equipment. An Allegro digital field computer was used to enter acquisition paramenters and store data during the EM-61 survey.

3.0 METHODS AND FIELD PROCEDURES

Prior to data collection, a 5-foot by 5-foot grid was created parallel and perpendicular to the building located at the northern boundary of the survey area. A survey chain with 5-foot markers was used to establish the survey lines and stations, and survey paint was used to mark the locations of each survey station on the ground. The survey was completed with no interference from vehicle traffic. It should be noted that no EM-61 or GPR data were collected outside of the blue dashed boundary labeled "Area of Subsurface Investigation" in Figure 1.

EM-61 data acquisition (archive photo)

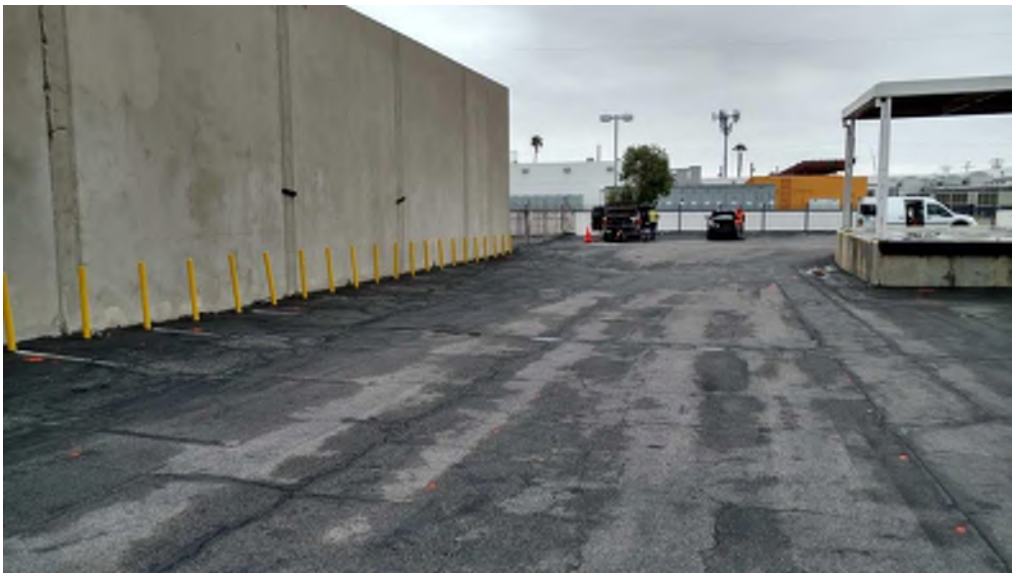
3.1 EM-61 High Sensitivity Metal Detector

The EM-61 high-sensitivity metal detector was used in an effort to delineate areas where metallic objects (such as underground storage tanks and metal piping) may be buried. The EM-61 transmitter generates short pulses of a primary magnetic field that induces electromagnetic currents in nearby metallic objects. Between pulses, the two receiver coils measure the decay of these electromagnetic currents in millivolts (mV). The measured values are proportional to the metal content (ferrous and non-ferrous) of the nearby objects

Prior to data acquisition the EM-61 battery level was checked and found to be within an acceptible range for data collection. After the EM-61 had a few minutes to warm up, the unit was nulled in a location with more than four meters of separation between the coils and any known metallic objects. A cable-shake test was performed to assure the cables were in good working condition and the connectors were fastened properly. Finally a static test was run in which a series of EM-61 readings were taken with no metal followed by a series of readings with a ½-inch bolt on the ground in the center of the EM-61 coils. The EM-61 was found to be working as expected.

During this investigation EM-61 readings were collected at 2.5-foot intervals along parallel west-east lines spaced 5 feet apart within the area of investigation. These data were processed in the field and used to generate contour maps to assist in identifying anomalous areas that may be caused by buried utilities or features of interest.

Top and bottom coil data can be useful for identifying near-surface metallic objects; although, the top coil generally has a greater response than the bottom coil to deeply buried objects. The differential data (top coil data minus the bottom coil data) was used during this survey to distinguish deeper targets such as metallic USTs from shallow ones such as a vault lid or scrap metal. Utilization of the differential data allows for the suppression of near surface targets that might mask the response from deeper targets of interest.



3.2 Electromagnetic (EM) Utility Location

Passive and active EM utility-locating methods were used in an effort to identify possible sources of EM-61 anomalies and to identify buried objects having no surface expression.

Electromagnetic (EM) utility location (archive photo)

Passive locating is possible when electrically conductive conduits are energized by ambient radio frequencies (RF) that are often produced by 50/60 cycle electrical, radio, audio, television, and communication transmissions. A receiver tuned to these frequencies can be used to locate the re-radiated signal emitted by the conductor (i.e., conduit).

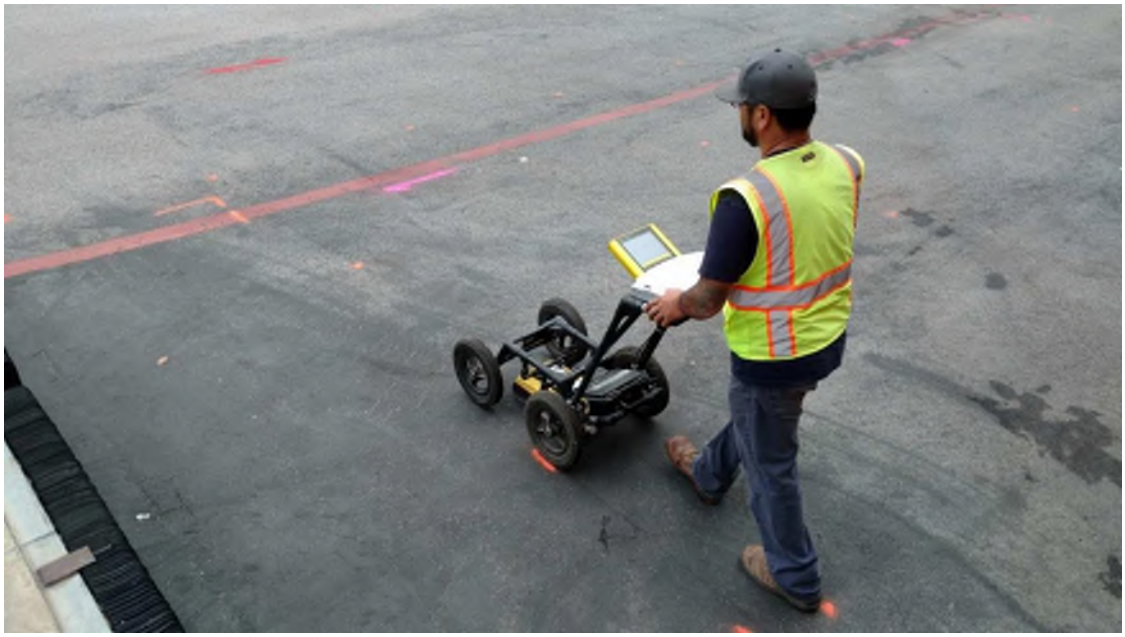
Active locating is initiated by conducting an EM signal at a known frequency (8 and 33 kHz for this site) on a conduit exposed at the surface. A receiver, tuned to these frequencies, is then used to locate the signal maxima (or surface trace) of the applied signal.

3.3 Ground Penetrating Radar

Ground penetrating radar (GPR) data were collected on east – west lines spaced 2.5 feet apart within the survey grid established by the geophysics crew. The purpose of the GPR survey was to locate anomalies from non-metallic sources like backfilled excavations or concrete clarifiers and better characterize EM-61 anomalies. During GPR data acquisition, an antenna containing both a transmitter and a receiver is pushed along the ground surface. The transmitter radiates short pulses of high-frequency (center frequency of 500-MHz)

electromagnetic energy into the ground. These electromagnetic waves propagate into the subsurface at a velocity that is dependent on the electrical properties of the material through which the waves travel. When the GPR waves encounter an interface of two materials having different electrical properties, a portion of the energy is reflected back to the surface and received at the antenna at a time (in nanoseconds) that is related to the depth of the reflecting interface, where later times generally represent greater depths of investigation. The contrast in velocity between the media either side of the interface can be quantified by a reflection coefficient at the media boundary, where a larger reflection coefficient (larger electrical contrast in materials) corresponds to a higher amplitude reflection.

The reflected signal is received at the antenna, transmitted to a control unit (the Smart Cart) and displayed on the computer screen as the data are being acquired. The data may be stored electronically, and subsequently processed with various software packages.



4.0 RESULTS

A map of the area of geophysical investigation is presented in Figure 1. A contour map of the EM-61 Differential Data is presented in Figure 2 and sample GPR profiles are displayed in Figure 3.

4.1 EM-61

The high-amplitude EM-61 anomalies on the north and south perimeter of the survey area are the result of surface metal like the building walls and bollards. There are two linear anomalies identified in the EM-61 data produced from metallic piping running east to west along 55N and a south to north trending railroad track centered from 162E to 1723E. These features were relocated with the utility locators or GPR and plotted on the site map. There are a few isolated EM-61 anomalies from surface metal like sewer clean-outs, a man-hole cover and electric vault cover.

4.2 GPR

Most of the shallow metallic objects such as underground piping and rail road tracks were relocated during the GPR survey. One GPR anomaly with no corresponding EM-61 anomaly was identified. Anomaly A is broad GPR anomaly located from 50E to 150E, between 77N and 88N. This GPR anomaly is characterized by relatively high-amplitude reflectors in the soil compared to the GPR signal in the surrounding soil. There is no corresponding EM-61 anomaly within the bounds of Anomaly A which indicates that the source of the high-amplitude GPR reflectors is not associated with buried metal, but rather a slight change in the electrical conductivity of the soil. A possible source of this GPR anomaly is backfill material which slightly amplifies the GPR signal relative to the adjacent soils.

5.0 LIMITATIONS

Reliable EM-61 data cannot be collected within 8 feet of surface metallic objects such as reinforced concrete pads, vault lids and/or manholes, buildings and parked vehicles. As a result, Spectrum cannot guarantee that a UST is not present beneath these features.

The penetration depth of the GPR signal was approximately 3 feet in the area investigated. As a consequence, some subsurface utilities may not have been detected, and USTs present at depths greater than 3 feet in the areas adjacent to surface metal may not have been detected due to the shallow penetration of the GPR. Because of this limitation, Spectrum cannot guarantee that all non-metallic conduits, such as sewers and PVC water lines, have been identified within the area of investigation. A discussion of the limitations of each method follows.

5.1 EM-61

The EM-61 is capable of detecting a 55-gallon drum up to a depth of 3 meters under favorable conditions. We recommended a minimum 10-foot buffer between the survey area and any metallic or metal bearing surface cultural features such as buildings, fences, parked vehicles

or aboveground piping which could severely compromise the quality of the data. Reliable EM-61 data cannot be collected over areas covered with reinforced concrete.

5.2 GPR

The performance capability of GPR is dependent on the electrical conductivity of the soil at the site. If the soil conductivity is high, attenuation of the radar signal in the soil can severely restrict the maximum penetration depth of the radar signal. Under favorable conditions depth of penetration can be greater than 10 feet; however, average depths of GPR penetration in the West and Southwest tend to range between 2-5 feet.

5.3 General

It should be understood that the detection of subsurface objects and utilities is dependent upon acquiring reliable measured values of magnetic fields or electro-magnetic waves with geophysical instruments above ground. These data may be interpreted as representative of subsurface objects due to the measured signal strength. These waves or fields, however, may be attenuated and/or distorted by a number of factors including soil moisture, corrosion, and proximity to other surface and subsurface facilities.

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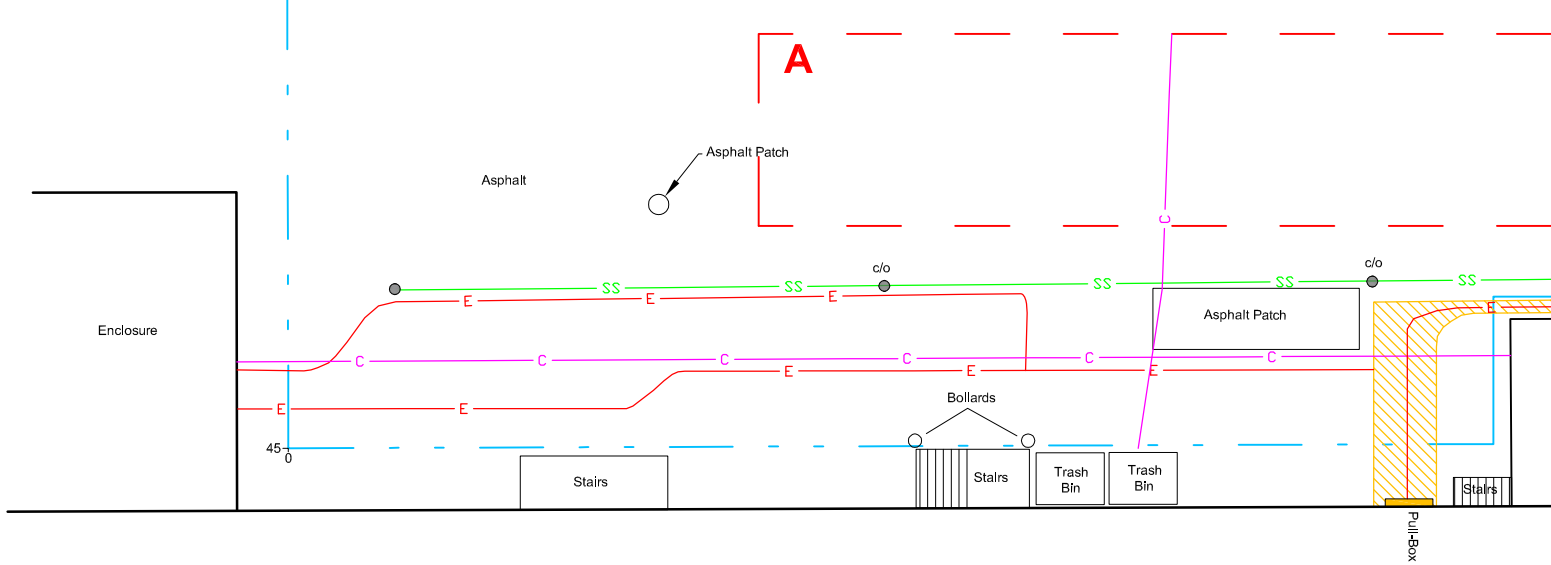


Building

Area of Subsurface Investigation

Telecommunications

GPR Anomaly

E — Electric

SD — Storm Drain

SS — Sanitary Sewer

C — Conduit

Fence

N

W E

S

North

Scale: (Feet)

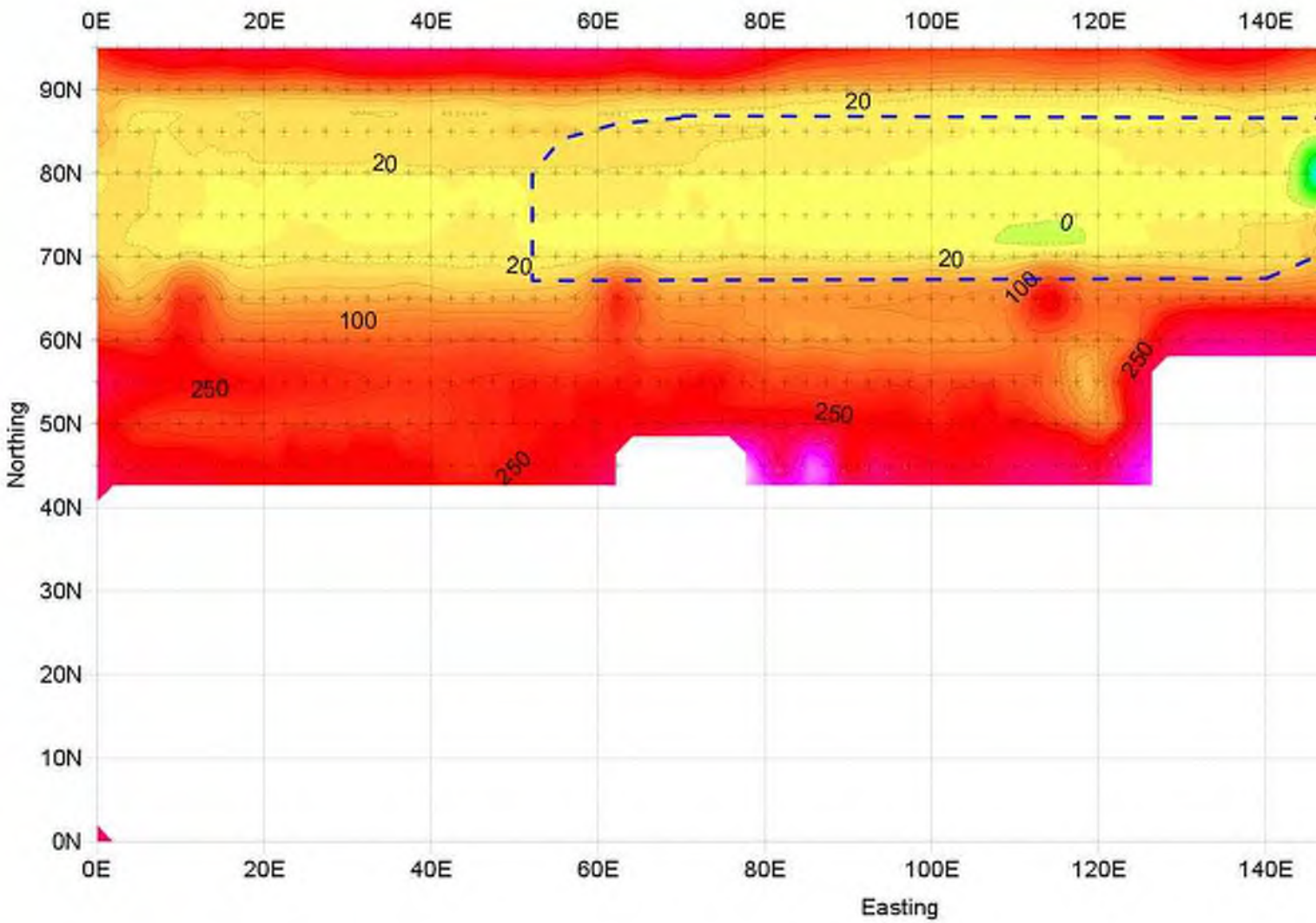
0 10 20 40

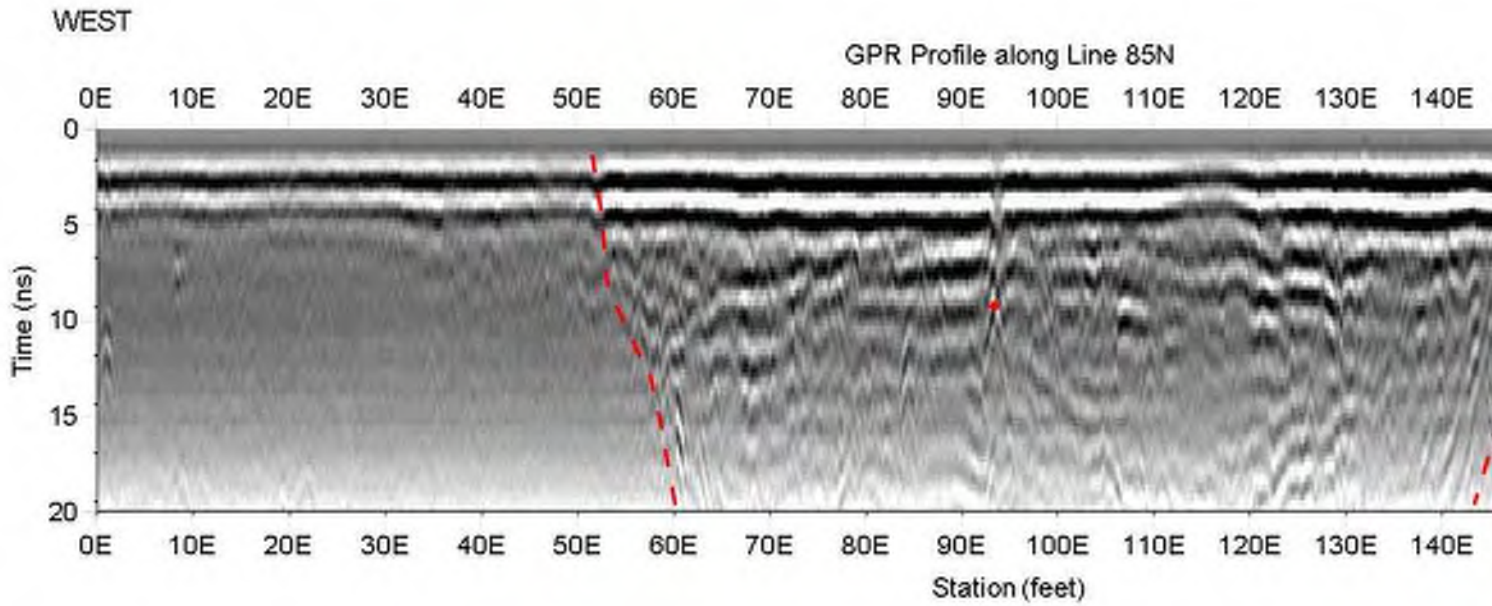
***Note: Not all below ground utilities or features r

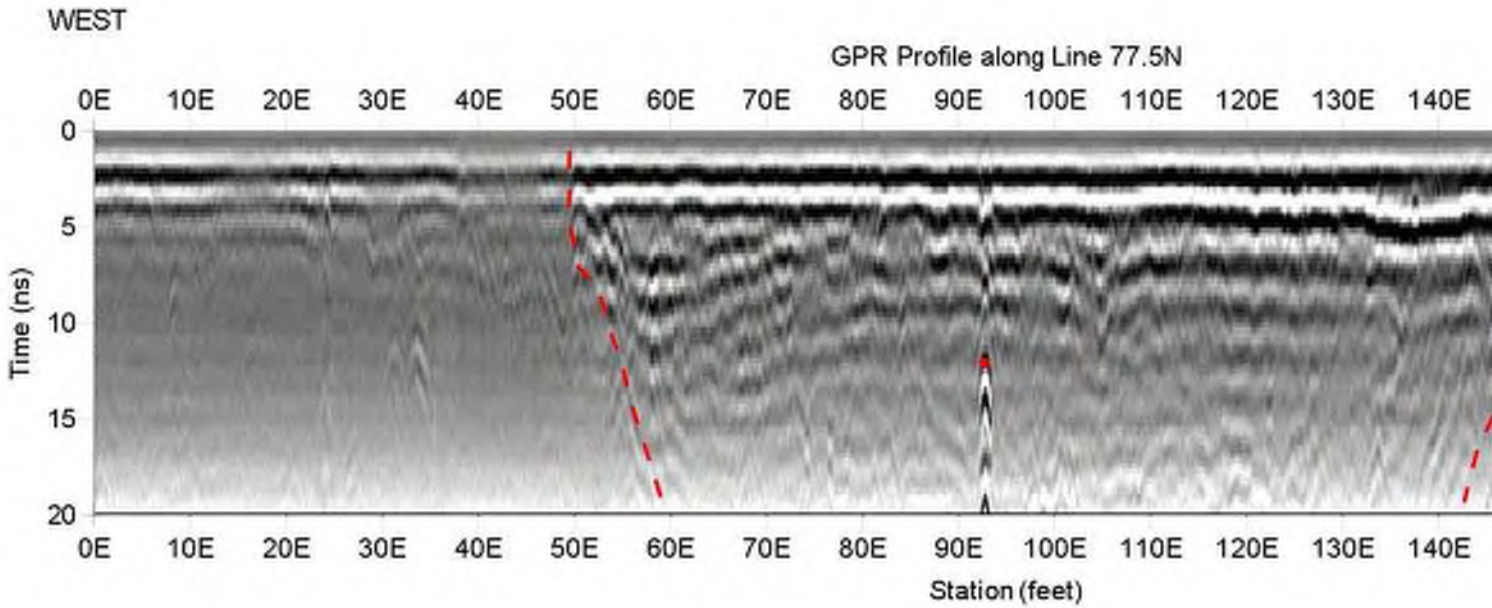
811 Know what's below. Call before you dig.

SPECT GEOPHYS "Revealing The

20434 CORISCO STREE
CHATSWORTH, CA 913
Phone: (818) 886-4500
www.spectrum-geophysics.com


0E
20E
40E
60E
80E
100E
120E
140E
90N
80N
70N
60N
50N
40N
30N
20N
10N
0N
Northing
Easting
20
20
20
20
0
100
100
250
250
250
250


WEST
GPR Profile along Line 85N
0E 10E 20E 30E 40E 50E 60E 70E 80E 90E 100E 110E 120E 130E 140E
0
5
10
15
20
Time (ns)
Station (feet)


WEST
GPR Profile along Line 77.5N
0E 10E 20E 30E 40E 50E 60E 70E 80E 90E 100E 110E 120E 130E 140E
0
5
10
15
20
Time (ns)
Station (feet)

RAMBOLL ENVIRON

ATTACHMENT B
SOIL VAPOR SAMPLE ANALYTICAL REPORT

Mobile Geochemistry Inc.

23 March 2016

Ms. Rebekah Wale
Ramboll Environ
18100 Von Karman Ave, Suite 600
Irvine, CA 92612

H&P Project: RAM031916-L6
Client Project: 04-16856Q /700 N. Sepulveda Blvd

Dear Ms. Rebekah Wale:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 19-Mar-16 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MAT BLK	E603081-01	Vapor	19-Mar-16	19-Mar-16
SB-6-10.5	E603081-02	Vapor	19-Mar-16	19-Mar-16
SB-5-10.5	E603081-03	Vapor	19-Mar-16	19-Mar-16
SB-1-10.5	E603081-04	Vapor	19-Mar-16	19-Mar-16
SB-1-10.5 REP	E603081-05	Vapor	19-Mar-16	19-Mar-16
SB-2-10.5	E603081-06	Vapor	19-Mar-16	19-Mar-16
SB-3-10.5	E603081-07	Vapor	19-Mar-16	19-Mar-16
SB-4-12	E603081-08	Vapor	19-Mar-16	19-Mar-16

The percent recoveries for Dichlorodifluoromethane and Chloromethane fell below the method criteria in the continuing calibration verification. Any results for these analytes may be biased low.

H&P Mobile
Geochemistry Inc.

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760-804-9159 Fax

Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

DETECTIONS SUMMARY

Sample ID: **MAT BLK** Laboratory ID: **E603081-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SB-6-10.5** Laboratory ID: **E603081-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.14**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**2.6**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.31**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.04**	0.02	ug/l	H&P 8260SV	
Carbon tetrachloride	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.05**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
Toluene	**0.22**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.29**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.13**	0.10	ug/l	H&P 8260SV	
Naphthalene	**0.04**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-5-10.5** Laboratory ID: **E603081-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.11**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.21**	0.10	ug/l	H&P 8260SV	
Benzene	**0.04**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.15**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-1-10.5** Laboratory ID: **E603081-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**0.32**	0.10	ug/l	H&P 8260SV	
Trichlorofluoromethane (F11)	**0.59**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.74**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.13**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Carbon tetrachloride	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.04**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.02**	0.02	ug/l	H&P 8260SV	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Sample ID: **SB-1-10.5** Laboratory ID: **E603081-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-1-10.5 REP** Laboratory ID: **E603081-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**0.28**	0.10	ug/l	H&P 8260SV	
Trichlorofluoromethane (F11)	**0.52**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.64**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.11**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	**0.05**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-2-10.5** Laboratory ID: **E603081-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.48**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.14**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-3-10.5** Laboratory ID: **E603081-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**2.0**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.29**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.04**	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	**0.03**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.23**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-4-12** Laboratory ID: **E603081-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.17**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**1.7**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.27**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	

H&P Mobile
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18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Sample ID: **SB-4-12** Laboratory ID: **E603081-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.02**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.04**	0.02	ug/l	H&P 8260SV	
Toluene	**1.3**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
Ethylbenzene	**0.57**	0.10	ug/l	H&P 8260SV	
m,p-Xylene	**2.4**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.97**	0.10	ug/l	H&P 8260SV	

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Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MAT BLK (E603081-01) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	ND	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

H&P Mobile
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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MAT BLK (E603081-01) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

SB-6-10.5 (E603081-02) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.14**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**2.6**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.31**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.04**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.05**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.06**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	**0.22**	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.29**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-6-10.5 (E603081-02) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	**0.13**	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	**0.04**	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-5-10.5 (E603081-03) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.11**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.21**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.04**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.15**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-5-10.5 (E603081-03) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 (E603081-04) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	**0.32**	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.59**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.74**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.13**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.04**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 (E603081-04) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 REP (E603081-05) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	**0.28**	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.52**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.64**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.11**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.05**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 REP (E603081-05) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-2-10.5 (E603081-06) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.48**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.02**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.14**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-2-10.5 (E603081-06) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-3-10.5 (E603081-07) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**2.0**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.29**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.04**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.03**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.23**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-3-10.5 (E603081-07) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-4-12 (E603081-08) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.17**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.7**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.27**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.02**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.04**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	**1.3**	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	**0.57**	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**2.4**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-4-12 (E603081-08) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	**0.97**	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
Blank (EC61901-BLK1)				Prepared & Analyzed: 19-Mar-16						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.01	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.02	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.02	"							
1,2-Dichloroethane (EDC)	ND	0.02	"							
Benzene	ND	0.02	"							
Trichloroethene	ND	0.02	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.02	"							
Dibromochloromethane	ND	0.10	"							

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
Blank (EC61901-BLK1)				Prepared & Analyzed: 19-Mar-16						
Chlorobenzene	ND	0.02	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.02	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.519*		"	*0.500*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		"	*0.500*		*102*	*75-125*			
Surrogate: Toluene-d8	*0.539*		"	*0.500*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.537*		"	*0.500*		*107*	*75-125*			

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
LCS (EC61901-BS1)				Prepared & Analyzed: 19-Mar-16						
Dichlorodifluoromethane (F12)	3.7	0.50	ug/l	5.00		74.0	70-130			
Vinyl chloride	5.2	0.05	"	5.00		104	70-130			
Chloroethane	6.3	0.50	"	5.00		127	70-130			
Trichlorofluoromethane (F11)	4.7	0.50	"	5.00		94.4	70-130			
1,1-Dichloroethene	5.6	0.50	"	5.00		111	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.8	0.50	"	5.00		117	70-130			
Methylene chloride (Dichloromethane)	5.1	0.50	"	5.00		101	70-130			
trans-1,2-Dichloroethene	5.5	0.50	"	5.00		110	70-130			
1,1-Dichloroethane	5.1	0.50	"	5.00		102	70-130			
cis-1,2-Dichloroethene	5.4	0.50	"	5.00		107	70-130			
Chloroform	5.3	0.10	"	5.00		105	70-130			
1,1,1-Trichloroethane	5.1	0.50	"	5.00		102	70-130			
Carbon tetrachloride	5.4	0.10	"	5.00		109	70-130			
1,2-Dichloroethane (EDC)	5.0	0.10	"	5.00		101	70-130			
Benzene	5.0	0.10	"	5.00		100	70-130			
Trichloroethene	5.8	0.10	"	5.00		115	70-130			
Toluene	5.3	1.0	"	5.00		105	70-130			
1,1,2-Trichloroethane	5.7	0.50	"	5.00		114	70-130			
Tetrachloroethene	5.4	0.10	"	5.00		109	70-130			
Ethylbenzene	5.3	0.50	"	5.00		105	70-130			
1,1,1,2-Tetrachloroethane	5.4	0.50	"	5.00		108	70-130			
m,p-Xylene	10	0.50	"	10.0		101	70-130			
o-Xylene	5.1	0.50	"	5.00		102	70-130			
1,1,2,2-Tetrachloroethane	5.2	0.50	"	5.00		105	70-130			
Surrogate: Dibromofluoromethane	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: Toluene-d8	*2.84*		*"*	*2.50*		*114*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*3.06*		*"*	*2.50*		*122*	*75-125*			

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L11-175.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

Mobile Geochemistry, Inc.
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VAPOR / AIR Chain of Custody

DATE: 3/19/16
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Ramboll Environ	Project Name / #: 04-16956Q
Lab Client Project Manager: Rebekah Wale	Project Location: 700 N. Sepulveda Blvd
Lab Client Address: 18100 Von Karman Ave Suite 600	Report E-Mail(s): rwale@ramboll.com PHolland-Stergar@ramboll.com eyost@ramboll.com
Lab Client City, State, Zip: Irvine, CA 92612	
Phone Number: 949.261-5151	

Reporting Requirements

- [x] Standard Report [ ] Level III [ ] Level IV
- [x] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time

- [ ] 5-7 day Stnd [ ] 24-Hr Rush
- [ ] 3-day Rush [x] Mobile Lab
- [ ] 48-Hr Rush [ ] Other:

Sampler Information

Sampler(s): Tam Chu
Signature:
Date: 3/19/16

Sample Receipt (Lab Use Only)

Date Rec'd: 3/19/16	Control #: 160216.05
H&P Project #	RAM031916-L6
Lab Work Order #	6603081
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	Lab PM Initials:

Additional Instructions to Laboratory:

[x] Check if Project Analyte List is Attached EC61901

** Preferred VOC units (please choose one):*

[x] µg/L [ ] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (####)	Lab use only: Receipt Vac	VOCs Standard Full List [x] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2		
Mol Blk		3/19/16	10:00	SV	Glass S.			x							x				
SB6-10.5			10:57					x							x				
SB5-10.5			11:53					x							x				
SB1. 10.5			12:54					x							x				
SB1-10.5 REP			13:15					x							x				
SB2-10.5			13:55					x							x				
SB3-10.5			14:43					x							x				
SB4-12		↓	1539	↓	↓			x							x				

Approved/Relinquished by: PAT HOLLAND-STERGAR	Company: RAMBOLL ENV.	Date: 3/19/16	Time: 1603	Received by:	Company: H&P	Date: 3/19/16	Time: 16:30
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Ultra Low RL** Vapor (µg/L)*
Dichlorodifluoromethane (F12)	75-71-8	0.1
Chloromethane	74-87-3	0.1
Vinyl chloride	75-01-4	0.01
Bromomethane	74-83-9	0.1
Chloroethane	75-00-3	0.1
Trichlorofluoromethane (F11)	75-69-4	0.1
1,1-Dichloroethene	75-35-4	0.1
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.1
Methylene chloride (Dichloromethane)	75-09-2	0.1
Methyl tertiary-butyl ether (MTBE)	1634-04-4	0.1
trans-1,2-Dichloroethene	156-60-5	0.1
1,1-Dichloroethane	75-34-3	0.1
2,2-Dichloropropane	594-20-7	0.1
cis-1,2-Dichloroethene	156-59-2	0.1
Bromochloromethane	74-97-5	0.1
Chloroform	67-66-3	0.02
1,1,1-Trichloroethane	71-55-6	0.1
1,1-Dichloropropene	563-58-6	0.1
Carbon tetrachloride	56-23-5	0.02
1,2-Dichloroethane (EDC)	107-06-2	0.02
Benzene	71-43-2	0.02
Trichloroethene	79-01-6	0.02
1,2-Dichloropropane	78-87-5	0.1
Dibromomethane	74-95-3	0.1
Bromodichloromethane	75-27-4	0.1
cis-1,3-Dichloropropene	10061-01-5	0.1
Toluene	108-88-3	0.2
trans-1,3-Dichloropropene	10061-02-6	0.1
1,1,2-Trichloroethane	79-00-5	0.1
1,3-Dichloropropane	142-28-9	0.1
Tetrachloroethene	127-18-4	0.02
Dibromochloromethane	124-48-1	0.1
1,2-Dibromoethane (EDB)	106-93-4	0.1
Chlorobenzene	108-90-7	0.02
1,1,1,2-Tetrachloroethane	630-20-6	0.1
Ethylbenzene	100-41-4	0.1
m,p-Xylene	179601-23-1	0.1
o-Xylene	95-47-6	0.1
Styrene	100-42-5	0.1
Bromoform	75-25-2	0.1
Isopropylbenzene (Cumene)	98-82-8	0.1
1,1,2,2-Tetrachloroethane	79-34-5	0.1
n-Propylbenzene	103-65-1	0.1

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Ultra Low RL** Vapor (µg/L)*
1,2,3-Trichloropropane	96-18-4	0.1
Bromobenzene	108-86-1	0.1
2-Chlorotoluene	95-49-8	0.1
1,3,5-Trimethylbenzene	108-67-8	0.1
4-Chlorotoluene	106-43-4	0.1
tert-Butylbenzene	98-06-6	0.1
1,2,4-Trimethylbenzene	95-63-6	0.1
sec-Butylbenzene	135-98-8	0.1
p-Isopropyltoluene	99-87-6	0.1
1,3-Dichlorobenzene	541-73-1	0.1
1,4-Dichlorobenzene	106-46-7	0.1
n-Butylbenzene	104-51-8	0.1
1,2-Dichlorobenzene	95-50-1	0.1
1,2-Dibromo-3-chloropropane	96-12-8	1.0
1,2,4-Trichlorobenzene	120-82-1	0.1
Hexachlorobutadiene	87-68-3	0.1
Naphthalene	91-20-3	0.02
1,2,3-Trichlorobenzene	87-61-6	0.1
Leak Check Compound		
1,1-Difluoroethane (LCC)	75-37-6	0.1

***NOTE: Ultra-Low RLs can be achieved using a 100cc large volume injection - applicable for relatively low level samples only (Residential CHHSLs)*

H&P Mobile Geochemistry Inc.

FMS004
Revision: 3
Revised: 1/15/2016
Effective: 1/25/2016
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: PAM1916.16 Date: 3/19/16

Site Address: 700 N. Sepulveda Blvd Page: 1 of 1

Consultant: Pamplin Environ H&P Rep(s): Tom

Consultant Rep(s): Patrick

Reviewed: DB

Scanned: DB

Equipment Info
Inline Gauge ID#:
Pump ID#: 017

Purge Volume Information
PV Amount: 3PV PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%

Leak Check Compound ☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☒ Hg ☐ H_2O
1	SB6-10.5	197/109	100cc	10:57	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	4200	10.43	4200	0
2	SB5-10.5	213/150	100cc	11:53	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	4200	10.43	4200	0
3	SB1-10.5	154/179	100cc	12:54	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	4200	10.43	4200	0
4	SB1-10.5 Rep	232/226	100cc	13:45	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2243	4200	–	4200	0
5	SB2-10.5	197/109	100cc	12:05	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	4200	10.43	4200	0
6	SB3-10.5	213/150	100cc	14:43	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2148	4200	10.43	4200	0
7	SB4-12	154/179	100cc	15:39	12	13	1/4	2.25	12	2.25	12	✓	✓	2148	4200	10.44	4200	0
8	Mat. Blank	232/226	100cc	10:00	–	5'	1/4	–	–	–	–	–	–	73	2200	–	2200	–
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
11:40 12:05
12:45 1:31 3:17 = H2O

RAMBOLL ENVIRON

ATTACHMENT C
SOIL SAMPLE ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-142056-1
Client Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

For:
Ramboll Environ US Corporation
18100 Von Karman Avenue, Ste 600
Irvine, California 92612

Attn: Rebekah Wale

Authorized for release by:
3/30/2016 10:26:06 AM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

Links

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-142056-1	SB-1-7	Solid	03/19/16 10:30	03/19/16 12:56
440-142056-2	SB-1-10	Solid	03/19/16 10:34	03/19/16 12:56
440-142056-4	SB-2-8	Solid	03/19/16 11:14	03/19/16 12:56
440-142056-5	SB-2-10	Solid	03/19/16 11:20	03/19/16 12:56
440-142056-7	SB-3-8	Solid	03/19/16 12:17	03/19/16 12:56
440-142056-8	SB-3-10	Solid	03/19/16 12:18	03/19/16 12:56
440-142056-10	SB-5-7.5	Solid	03/19/16 09:23	03/19/16 12:56
440-142056-11	SB-5-10	Solid	03/19/16 09:35	03/19/16 12:56
440-142056-13	SB-6-7	Solid	03/19/16 08:22	03/19/16 12:56
440-142056-14	SB-6-11	Solid	03/19/16 08:35	03/19/16 12:56
440-142062-1	SB-4-11	Solid	03/19/16 13:19	03/21/16 09:05
440-142062-2	SB-4-13	Solid	03/19/16 13:21	03/21/16 09:05
440-142062-4	IDW-Drum-031916	Solid	03/19/16 14:25	03/21/16 09:05

Job ID: 440-142056-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-142056-1

Comments
No additional comments.

Receipt
The samples were received on 3/19/2016 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

Receipt Exceptions
Method(s) 8260B: All the EPA 5035A Terracore water-preserved vials for the following sample froze and cracked during storage: SB-2-10 (440-142056-5). The EPA prep 5030B test method had to be used for this sample.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample was outside control limits: (440-142363-A-3). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 3546 / 8015B: The following sample had smaller initial amount used due to the nature of the sample matrix: SB-6-11 (440-142056-14). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 440-142062-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-142062-1

Comments
No additional comments.

Receipt
The samples were received on 3/21/2016 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 440-319492 recovered above the upper control limit

Job ID: 440-142062-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

for Ethyl-t-butyl ether (ETBE). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SB-4-13 (440-142062-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and/or precision of Antimony and Silver for preparation batch 440-319531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3546 / 8015B: The following samples had smaller initial amounts used due to the nature of the sample matrix: SB-4-11 (440-142062-1) and SB-4-13 (440-142062-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-1-7
Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloroethene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Ethyl-t-butyl ether (ETBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Hexachlorobutadiene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Isopropyl Ether (DIPE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
m,p-Xylene	ND		3.2		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Naphthalene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
n-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
sec-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Tert-amyl-methyl ether (TAME)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
tert-Butyl alcohol (TBA)	ND		81		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
tert-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1

Client Sample ID: SB-1-7
Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,3-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,4-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Trichlorofluoromethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,3-Trichloropropane	ND		8.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Vinyl chloride	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*	*03/20/16 07:18*	*03/23/16 12:20*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 120*	*03/20/16 07:18*	*03/23/16 12:20*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 12:20*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		310	ug/Kg		03/20/16 07:18	03/25/16 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*65 - 140*	*03/20/16 07:18*	*03/25/16 11:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 21:43	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*69*		*40 - 140*	*03/22/16 16:57*	*03/23/16 21:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	9.9	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Barium	**41**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Chromium	**11**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Cobalt	**3.1**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Copper	**4.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Lead	**2.3**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Nickel	**5.5**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5

Client Sample ID: SB-1-7
Lab Sample ID: 440-142056-1
Date Collected: 03/19/16 10:30
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Vanadium	**17**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Zinc	**15**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:05	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:29	1

Client Sample ID: SB-1-10
Lab Sample ID: 440-142056-2
Date Collected: 03/19/16 10:34
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromobenzene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromochloromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromodichloromethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromoform	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromomethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Carbon tetrachloride	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloroethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloroform	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
2-Chlorotoluene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
4-Chlorotoluene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
cis-1,2-Dichloroethene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
cis-1,3-Dichloropropene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dibromochloromethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dibromo-3-Chloropropane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dibromoethane (EDB)	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dibromomethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,4-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dichlorodifluoromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloroethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichloroethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloroethene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
2,2-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloropropene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Ethylbenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Ethyl-t-butyl ether (ETBE)	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Hexachlorobutadiene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Isopropylbenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Isopropyl Ether (DIPE)	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-1-10
Date Collected: 03/19/16 10:34
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		17	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Methyl-t-Butyl Ether (MTBE)	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
m,p-Xylene	ND		3.4	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Naphthalene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
n-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
N-Propylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
o-Xylene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
p-Isopropyltoluene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
sec-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Styrene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Tert-amyl-methyl ether (TAME)	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
tert-Butyl alcohol (TBA)	ND		85	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
tert-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,1,2-Tetrachloroethane	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,2,2-Tetrachloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Tetrachloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Toluene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
trans-1,2-Dichloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
trans-1,3-Dichloropropene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,3-Trichlorobenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,4-Trichlorobenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,1-Trichloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,2-Trichloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Trichloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Trichlorofluoromethane	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,3-Trichloropropane	ND		8.5	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,4-Trimethylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3,5-Trimethylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Vinyl chloride	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Xylenes, Total	ND		3.4	ug/Kg		03/20/16 07:18	03/23/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*	*03/20/16 07:18*	*03/23/16 12:49*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 120*	*03/20/16 07:18*	*03/23/16 12:49*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 12:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		340	ug/Kg		03/20/16 07:18	03/25/16 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*65 - 140*	*03/20/16 07:18*	*03/25/16 11:54*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 22:06	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*72*		*40 - 140*	*03/22/16 21:24*	*03/23/16 22:06*	*1*

Client Sample ID: SB-1-10

Lab Sample ID: 440-142056-2
Date Collected: 03/19/16 10:34
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Barium	**87**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Beryllium	**0.53**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Chromium	**18**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Cobalt	**7.1**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Copper	**11**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Lead	**4.6**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Nickel	**9.7**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Vanadium	**31**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Zinc	**29**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:32	1

Client Sample ID: SB-2-8

Lab Sample ID: 440-142056-4
Date Collected: 03/19/16 11:14
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-8
Date Collected: 03/19/16 11:14
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1-Dichloroethene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
2,2-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Ethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Ethyl-t-butyl ether (ETBE)	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Hexachlorobutadiene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Isopropylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Isopropyl Ether (DIPE)	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
m,p-Xylene	ND		3.3	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Naphthalene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
n-Butylbenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
sec-Butylbenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Tert-amyl-methyl ether (TAME)	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
tert-Butyl alcohol (TBA)	ND		81	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
tert-Butylbenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,1,2-Tetrachloroethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,3-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,4-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Trichlorofluoromethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,3-Trichloropropane	ND		8.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Vinyl chloride	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Xylenes, Total	ND		3.3	ug/Kg		03/20/16 07:18	03/23/16 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*	*03/20/16 07:18*	*03/23/16 13:18*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 120*	*03/20/16 07:18*	*03/23/16 13:18*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 13:18*	*1*

Client Sample ID: SB-2-8
Lab Sample ID: 440-142056-4
Date Collected: 03/19/16 11:14
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350		ug/Kg		03/20/16 07:18	03/25/16 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*	*03/20/16 07:18*	*03/25/16 12:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9		mg/Kg		03/22/16 16:57	03/23/16 19:23	1
ORO (C23-C40)	ND		4.9		mg/Kg		03/22/16 16:57	03/23/16 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*64*		*40 - 140*	*03/22/16 16:57*	*03/23/16 19:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Barium	**86**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Beryllium	**0.69**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Chromium	**21**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Cobalt	**11**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Copper	**14**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Lead	**5.5**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Nickel	**12**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Vanadium	**35**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Zinc	**37**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:15	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:34	1

Client Sample ID: SB-2-10
Lab Sample ID: 440-142056-5
Date Collected: 03/19/16 11:20
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Bromobenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
Bromochloromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
Bromodichloromethane	ND		2.0		ug/Kg			03/24/16 10:17	1
Bromoform	ND		5.0		ug/Kg			03/24/16 10:17	1
Bromomethane	ND		5.0		ug/Kg			03/24/16 10:17	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/24/16 10:17	1
Chlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Chloroethane	ND		5.0		ug/Kg			03/24/16 10:17	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-10
Date Collected: 03/19/16 11:20
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		2.0		ug/Kg			03/24/16 10:17	1
Chloromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 10:17	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 10:17	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
Dibromochloromethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/24/16 10:17	1
Dibromomethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
Ethylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/24/16 10:17	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/24/16 10:17	1
Isopropylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/24/16 10:17	1
Methylene Chloride	ND		20		ug/Kg			03/24/16 10:17	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/24/16 10:17	1
m,p-Xylene	ND		4.0		ug/Kg			03/24/16 10:17	1
Naphthalene	ND		5.0		ug/Kg			03/24/16 10:17	1
n-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
N-Propylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
o-Xylene	ND		2.0		ug/Kg			03/24/16 10:17	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/24/16 10:17	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
Styrene	ND		2.0		ug/Kg			03/24/16 10:17	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/24/16 10:17	1
tert-Butyl alcohol (TBA)	ND		99		ug/Kg			03/24/16 10:17	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
Tetrachloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
Toluene	ND		2.0		ug/Kg			03/24/16 10:17	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1

Client Sample ID: SB-2-10
Lab Sample ID: 440-142056-5
Date Collected: 03/19/16 11:20
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2,3-Trichloropropane	ND		9.9		ug/Kg			03/24/16 10:17	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Vinyl chloride	ND		5.0		ug/Kg			03/24/16 10:17	1
Xylenes, Total	ND		4.0		ug/Kg			03/24/16 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*79 - 120*		*03/24/16 10:17*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 120*		*03/24/16 10:17*	*1*
Toluene-d8 (Surr)	*115*		*79 - 123*		*03/24/16 10:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/25/16 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*65 - 140*		*03/25/16 23:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/22/16 21:24	03/23/16 21:45	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/22/16 21:24	03/23/16 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*40 - 140*	*03/22/16 21:24*	*03/23/16 21:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Arsenic	**4.3**		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Barium	**64**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Beryllium	**0.65**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Chromium	**25**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Cobalt	**3.5**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Copper	**12**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Lead	**4.9**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Nickel	**11**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Vanadium	**34**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Zinc	**32**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:16	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:36	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-3-8
Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromobenzene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromochloromethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromodichloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromoform	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromomethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Carbon tetrachloride	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloroethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloroform	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloromethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
2-Chlorotoluene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
4-Chlorotoluene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dibromochloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dibromo-3-Chloropropane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dibromomethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dichlorodifluoromethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloroethene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
2,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Ethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Ethyl-t-butyl ether (ETBE)	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Hexachlorobutadiene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Isopropylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Isopropyl Ether (DIPE)	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Methylene Chloride	ND		20		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Methyl-t-Butyl Ether (MTBE)	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
m,p-Xylene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Naphthalene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
n-Butylbenzene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
N-Propylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
o-Xylene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
p-Isopropyltoluene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
sec-Butylbenzene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Styrene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Tert-amyl-methyl ether (TAME)	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
tert-Butylbenzene	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,1,2-Tetrachloroethane	ND		5.1		ug/Kg		03/20/16 07:18	03/23/16 13:47	1

Client Sample ID: SB-3-8
Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Tetrachloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Toluene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,3-Trichlorobenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,4-Trichlorobenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Trichloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Trichlorofluoromethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,3-Trichloropropane	ND		10	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Vinyl chloride	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Xylenes, Total	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*	*03/20/16 07:18*	*03/23/16 13:47*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 120*	*03/20/16 07:18*	*03/23/16 13:47*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 13:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	ug/Kg		03/20/16 07:18	03/25/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*65 - 140*	*03/20/16 07:18*	*03/25/16 12:49*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	mg/Kg		03/22/16 16:57	03/23/16 19:43	1
ORO (C23-C40)	ND		5.0	mg/Kg		03/22/16 16:57	03/23/16 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*61*		*40 - 140*	*03/22/16 16:57*	*03/23/16 19:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Barium	**63**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Chromium	**16**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Cobalt	**5.6**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Copper	**9.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Lead	**4.1**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Nickel	**8.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5

Client Sample ID: SB-3-8
Lab Sample ID: 440-142056-7
Date Collected: 03/19/16 12:17
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Vanadium	**29**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Zinc	**26**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:31	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.039**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:43	1

Client Sample ID: SB-3-10
Lab Sample ID: 440-142056-8
Date Collected: 03/19/16 12:18
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromobenzene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromochloromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromoform	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromomethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Carbon tetrachloride	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloroethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
2-Chlorotoluene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
4-Chlorotoluene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dichlorodifluoromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloroethene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Ethyl-t-butyl ether (ETBE)	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Hexachlorobutadiene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Isopropyl Ether (DIPE)	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-3-10
Date Collected: 03/19/16 12:18
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Methyl-t-Butyl Ether (MTBE)	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
m,p-Xylene	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Naphthalene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
n-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
sec-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Tert-amyl-methyl ether (TAME)	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
tert-Butyl alcohol (TBA)	ND		80	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
tert-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,1,2-Tetrachloroethane	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,3-Trichlorobenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,4-Trichlorobenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Trichlorofluoromethane	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,3-Trichloropropane	ND		8.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Vinyl chloride	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*	*03/20/16 07:18*	*03/23/16 14:15*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 120*	*03/20/16 07:18*	*03/23/16 14:15*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 14:15*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			03/26/16 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*65 - 140*		*03/26/16 00:23*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	**6.0**		4.9	mg/Kg		03/22/16 21:24	03/23/16 21:23	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*03/22/16 21:24*	*03/23/16 21:23*	*1*

Client Sample ID: SB-3-10
Lab Sample ID: 440-142056-8
Date Collected: 03/19/16 12:18
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Arsenic	**3.6**		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Barium	**83**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Beryllium	**0.63**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Chromium	**22**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Cobalt	**8.0**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Copper	**16**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Lead	**5.2**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Nickel	**14**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Vanadium	**36**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Zinc	**38**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:46	1

Client Sample ID: SB-5-7.5
Lab Sample ID: 440-142056-10
Date Collected: 03/19/16 09:23
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromochloromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromodichloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromoform	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromomethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Carbon tetrachloride	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloroethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloroform	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
2-Chlorotoluene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
4-Chlorotoluene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dibromochloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dibromomethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1

Client Sample ID: SB-5-7.5
Date Collected: 03/19/16 09:23
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
2,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Ethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Isopropylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Methylene Chloride	ND		20		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
m,p-Xylene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Naphthalene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
n-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
N-Propylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
o-Xylene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
p-Isopropyltoluene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
sec-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Styrene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
tert-Butyl alcohol (TBA)	ND		99		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
tert-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Tetrachloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Toluene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Trichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,3-Trichloropropane	ND		9.9		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Vinyl chloride	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Xylenes, Total	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*79 - 120*	*03/20/16 07:18*	*03/23/16 14:44*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 120*	*03/20/16 07:18*	*03/23/16 14:44*	*1*
Toluene-d8 (Surr)	*113*		*79 - 123*	*03/20/16 07:18*	*03/23/16 14:44*	*1*

Client Sample ID: SB-5-7.5
Lab Sample ID: 440-142056-10
Date Collected: 03/19/16 09:23
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320		ug/Kg		03/20/16 07:18	03/25/16 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*	*03/20/16 07:18*	*03/25/16 13:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9		mg/Kg		03/22/16 16:57	03/23/16 22:42	1
ORO (C23-C40)	**32**		4.9		mg/Kg		03/22/16 16:57	03/23/16 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*64*		*40 - 140*	*03/22/16 16:57*	*03/23/16 22:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Barium	**47**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Beryllium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Chromium	**14**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Cobalt	**3.5**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Copper	**5.9**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Lead	**4.8**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Nickel	**6.8**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Vanadium	**19**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Zinc	**24**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:48	1

Client Sample ID: SB-5-10
Lab Sample ID: 440-142056-11
Date Collected: 03/19/16 09:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-5-10
Date Collected: 03/19/16 09:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloroethene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Ethyl-t-butyl ether (ETBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Hexachlorobutadiene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Isopropyl Ether (DIPE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
m,p-Xylene	ND		3.3		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Naphthalene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
n-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
sec-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Tert-amyl-methyl ether (TAME)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
tert-Butyl alcohol (TBA)	ND		81		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
tert-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Tetrachloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Toluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
trans-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,1-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,2-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Client Sample ID: SB-5-10
Lab Sample ID: 440-142056-11
Date Collected: 03/19/16 09:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Trichlorofluoromethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,3-Trichloropropane	ND		8.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Vinyl chloride	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Xylenes, Total	ND		3.3	ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*	*03/20/16 07:18*	*03/23/16 15:13*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 120*	*03/20/16 07:18*	*03/23/16 15:13*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 15:13*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		03/20/16 07:18	03/25/16 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*65 - 140*	*03/20/16 07:18*	*03/25/16 14:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	mg/Kg		03/22/16 21:24	03/24/16 16:51	1
ORO (C23-C40)	**12**		5.0	mg/Kg		03/22/16 21:24	03/24/16 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*83*		*40 - 140*	*03/22/16 21:24*	*03/24/16 16:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Arsenic	**3.8**		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Barium	**65**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Beryllium	**0.60**		0.49	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Cadmium	ND		0.49	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Chromium	**22**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Cobalt	**4.6**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Copper	**12**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Lead	**5.0**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Nickel	**11**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Silver	ND		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Thallium	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Vanadium	**33**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Zinc	**30**		4.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:50	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-7
Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromobenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromochloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromoform	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromomethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Carbon tetrachloride	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloroethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
2-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
4-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dichlorodifluoromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloroethene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Ethyl-t-butyl ether (ETBE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Hexachlorobutadiene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Isopropyl Ether (DIPE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Methyl-t-Butyl Ether (MTBE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
m,p-Xylene	ND		3.1		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Naphthalene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
n-Butylbenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
sec-Butylbenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Tert-amyl-methyl ether (TAME)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
tert-Butyl alcohol (TBA)	ND		78		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
tert-Butylbenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 15:42	1

Client Sample ID: SB-6-7
Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,3-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,4-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Trichlorofluoromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,3-Trichloropropane	ND		7.8	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Vinyl chloride	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Xylenes, Total	ND		3.1	ug/Kg		03/20/16 07:18	03/23/16 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*	*03/20/16 07:18*	*03/23/16 15:42*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 120*	*03/20/16 07:18*	*03/23/16 15:42*	*1*
Toluene-d8 (Surr)	*108*		*79 - 123*	*03/20/16 07:18*	*03/23/16 15:42*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		300	ug/Kg		03/20/16 07:18	03/25/16 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*	*03/20/16 07:18*	*03/25/16 14:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 22:03	1
ORO (C23-C40)	**17**		4.9	mg/Kg		03/22/16 16:57	03/23/16 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*63*		*40 - 140*	*03/22/16 16:57*	*03/23/16 22:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Barium	**82**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Chromium	**18**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Cobalt	**6.2**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Copper	**9.9**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Lead	**5.3**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Nickel	**9.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5

Client Sample ID: SB-6-7
Lab Sample ID: 440-142056-13
Date Collected: 03/19/16 08:22
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Vanadium	**30**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Zinc	**34**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:42	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:52	1

Client Sample ID: SB-6-11
Lab Sample ID: 440-142056-14
Date Collected: 03/19/16 08:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromobenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromochloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromoform	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromomethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Carbon tetrachloride	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloroethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
2-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
4-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dichlorodifluoromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloroethene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Ethyl-t-butyl ether (ETBE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Hexachlorobutadiene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Isopropyl Ether (DIPE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-11
Date Collected: 03/19/16 08:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Methyl-t-Butyl Ether (MTBE)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
m,p-Xylene	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Naphthalene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
n-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
sec-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Tert-amyl-methyl ether (TAME)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
tert-Butyl alcohol (TBA)	ND		79	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
tert-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,1,2-Tetrachloroethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,3-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,4-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Trichlorofluoromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,3-Trichloropropane	ND		7.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Vinyl chloride	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*79 - 120*	*03/20/16 07:18*	*03/23/16 16:10*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 120*	*03/20/16 07:18*	*03/23/16 16:10*	*1*
Toluene-d8 (Surr)	*112*		*79 - 123*	*03/20/16 07:18*	*03/23/16 16:10*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		03/20/16 07:18	03/25/16 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*65 - 140*	*03/20/16 07:18*	*03/25/16 15:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		10	mg/Kg		03/22/16 21:27	03/24/16 17:11	1
ORO (C23-C40)	**48**		10	mg/Kg		03/22/16 21:27	03/24/16 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*82*		*40 - 140*	*03/22/16 21:27*	*03/24/16 17:11*	*1*

Client Sample ID: SB-6-11
Lab Sample ID: 440-142056-14
Date Collected: 03/19/16 08:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Barium	**92**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Beryllium	**0.53**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Chromium	**19**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Cobalt	**6.8**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Copper	**12**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Lead	**7.4**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Nickel	**11**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Vanadium	**33**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Zinc	**60**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:55	1

Client Sample ID: SB-4-11
Lab Sample ID: 440-142062-1
Date Collected: 03/19/16 13:19
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromochloromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromodichloromethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromoform	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromomethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Carbon tetrachloride	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloroethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloroform	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
2-Chlorotoluene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
4-Chlorotoluene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
cis-1,2-Dichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
cis-1,3-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dibromochloromethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dibromo-3-Chloropropane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dibromoethane (EDB)	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dibromomethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,4-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dichlorodifluoromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-4-11
Date Collected: 03/19/16 13:19
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1-Dichloroethene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
2,2-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Ethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Ethyl-t-butyl ether (ETBE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Hexachlorobutadiene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Isopropylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Isopropyl Ether (DIPE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Methylene Chloride	ND		21		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Methyl-t-Butyl Ether (MTBE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
m,p-Xylene	ND		4.2		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Naphthalene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
n-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
N-Propylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
o-Xylene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
p-Isopropyltoluene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
sec-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Styrene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Tert-amyl-methyl ether (TAME)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
tert-Butyl alcohol (TBA)	ND		110		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
tert-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,1,2-Tetrachloroethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Tetrachloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Toluene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
trans-1,2-Dichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,3-Trichlorobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,4-Trichlorobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,1-Trichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,2-Trichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Trichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Trichlorofluoromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,3-Trichloropropane	ND		11		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Vinyl chloride	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Xylenes, Total	ND		4.2		ug/Kg		03/21/16 11:30	03/24/16 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*79 - 120*	*03/21/16 11:30*	*03/24/16 14:04*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 120*	*03/21/16 11:30*	*03/24/16 14:04*	*1*
Toluene-d8 (Surr)	*112*		*79 - 123*	*03/21/16 11:30*	*03/24/16 14:04*	*1*

Client Sample ID: SB-4-11
Lab Sample ID: 440-142062-1
Date Collected: 03/19/16 13:19
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/27/16 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*65 - 140*		*03/27/16 02:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		11		mg/Kg		03/21/16 16:02	03/22/16 15:10	1
ORO (C23-C40)	ND		11		mg/Kg		03/21/16 16:02	03/22/16 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*68*		*40 - 140*	*03/21/16 16:02*	*03/22/16 15:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Arsenic	**4.1**		3.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Barium	**72**		1.5		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Beryllium	**0.69**		0.50		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Cadmium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Chromium	**26**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Cobalt	**5.5**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Copper	**12**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Lead	**5.2**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Nickel	**12**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Selenium	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Silver	ND		1.5		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Thallium	ND		10		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Vanadium	**36**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Zinc	**31**		5.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:57	1

Client Sample ID: SB-4-13
Lab Sample ID: 440-142062-2
Date Collected: 03/19/16 13:21
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromochloromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromodichloromethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromoform	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromomethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Carbon tetrachloride	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chloroethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Client Sample ID: SB-4-13
Lab Sample ID: 440-142062-2
Date Collected: 03/19/16 13:21
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chloromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
2-Chlorotoluene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
4-Chlorotoluene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
cis-1,2-Dichloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
cis-1,3-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dibromochloromethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dibromo-3-Chloropropane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dibromoethane (EDB)	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dibromomethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,4-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dichlorodifluoromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloroethene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
2,2-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Ethylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Ethyl-t-butyl ether (ETBE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Hexachlorobutadiene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Isopropylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Isopropyl Ether (DIPE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Methylene Chloride	ND		18		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Methyl-t-Butyl Ether (MTBE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
m,p-Xylene	ND		3.7		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Naphthalene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
n-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
N-Propylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
o-Xylene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
p-Isopropyltoluene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
sec-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Styrene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Tert-amyl-methyl ether (TAME)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
tert-Butyl alcohol (TBA)	ND		92		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
tert-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Tetrachloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Toluene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
trans-1,2-Dichloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,1-Trichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,2-Trichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Client Sample ID: SB-4-13
Lab Sample ID: 440-142062-2
Date Collected: 03/19/16 13:21
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Trichlorofluoromethane	ND		4.6	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,3-Trichloropropane	ND		9.2	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,4-Trimethylbenzene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3,5-Trimethylbenzene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Vinyl chloride	ND		4.6	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Xylenes, Total	ND		3.7	ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*	*03/21/16 11:30*	*03/23/16 17:11*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 120*	*03/21/16 11:30*	*03/23/16 17:11*	*1*
Toluene-d8 (Surr)	*102*		*79 - 123*	*03/21/16 11:30*	*03/23/16 17:11*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	ug/Kg			03/27/16 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*65 - 140*		*03/27/16 02:51*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		50	mg/Kg		03/22/16 21:27	03/24/16 15:51	1
ORO (C23-C40)	**110**		50	mg/Kg		03/22/16 21:27	03/24/16 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*03/22/16 21:27*	*03/24/16 15:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	9.9	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Arsenic	ND		3.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Barium	**49**		1.5	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Beryllium	**0.50**		0.50	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Cadmium	ND		0.50	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Chromium	**15**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Cobalt	**6.5**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Copper	**8.1**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Lead	**3.6**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Molybdenum	ND		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Nickel	**8.5**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Selenium	ND		3.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Silver	ND	F1 F2	1.5	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Thallium	ND		9.9	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Vanadium	**22**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Zinc	**22**		5.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:59	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: IDW-Drum-031916
Date Collected: 03/19/16 14:25
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Arsenic	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Barium	**59**		1.5		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Beryllium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Cadmium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Chromium	**14**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Cobalt	**4.5**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Copper	**8.1**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Lead	**5.6**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Nickel	**8.0**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Selenium	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Silver	ND		1.5		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Thallium	ND		9.9		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Vanadium	**22**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Zinc	**32**		5.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.020		mg/Kg		03/28/16 07:56	03/28/16 13:02	1

Method Summary

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-1-7

Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.17 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.17 g	10 mL	319521	03/23/16 12:20	AL	TAL IRV
Total/NA	Prep	5035			6.43 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.43 g	10 mL	320146	03/25/16 11:27	JB	TAL IRV
Total/NA	Prep	3546			15.18 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.18 g	1 mL	319565	03/23/16 21:43	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:05	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:29	DB	TAL IRV

Client Sample ID: SB-1-10

Date Collected: 03/19/16 10:34
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.89 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	5.89 g	10 mL	319521	03/23/16 12:49	AL	TAL IRV
Total/NA	Prep	5035			5.83 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.83 g	10 mL	320146	03/25/16 11:54	JB	TAL IRV
Total/NA	Prep	3546			15.24 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.24 g	1 mL	319673	03/23/16 22:06	CN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.00 g	50 mL	320099	03/24/16 19:11	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:32	DB	TAL IRV

Client Sample ID: SB-2-8

Date Collected: 03/19/16 11:14
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.15 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.15 g	10 mL	319521	03/23/16 13:18	AL	TAL IRV
Total/NA	Prep	5035			5.69 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.69 g	10 mL	320146	03/25/16 12:21	JB	TAL IRV
Total/NA	Prep	3546			15.17 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.17 g	1 mL	319565	03/23/16 19:23	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:15	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.49 g	50 mL	320686	03/28/16 12:34	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-10

Date Collected: 03/19/16 11:20
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.05 g	10 mL	319787	03/24/16 10:17	HR	TAL IRV
Total/NA	Analysis	8015B		1	5.01 g	10 mL	320145	03/25/16 23:57	JB	TAL IRV
Total/NA	Prep	3546			15.06 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.06 g	1 mL	319673	03/23/16 21:45	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:16	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:36	DB	TAL IRV

Client Sample ID: SB-3-8

Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.88 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	4.88 g	10 mL	319521	03/23/16 13:47	AL	TAL IRV
Total/NA	Prep	5035			5.12 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.12 g	10 mL	320146	03/25/16 12:49	JB	TAL IRV
Total/NA	Prep	3546			15.01 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.01 g	1 mL	319565	03/23/16 19:43	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:31	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:43	DB	TAL IRV

Client Sample ID: SB-3-10

Date Collected: 03/19/16 12:18
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.26 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.26 g	10 mL	319521	03/23/16 14:15	AL	TAL IRV
Total/NA	Analysis	8015B		1	5.05 g	10 mL	320145	03/26/16 00:23	JB	TAL IRV
Total/NA	Prep	3546			15.34 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.34 g	1 mL	319673	03/23/16 21:23	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:33	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:46	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-5-7.5

Date Collected: 03/19/16 09:23
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	5.03 g	10 mL	319521	03/23/16 14:44	AL	TAL IRV
Total/NA	Prep	5035			6.31 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.31 g	10 mL	320146	03/25/16 13:43	JB	TAL IRV
Total/NA	Prep	3546			15.32 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.32 g	1 mL	319565	03/23/16 22:42	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:36	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:48	DB	TAL IRV

Client Sample ID: SB-5-10

Date Collected: 03/19/16 09:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.14 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.14 g	10 mL	319521	03/23/16 15:13	AL	TAL IRV
Total/NA	Prep	5035			6.34 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.34 g	10 mL	320146	03/25/16 14:11	JB	TAL IRV
Total/NA	Prep	3546			15.14 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.14 g	1 mL	319836	03/24/16 16:51	CN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.03 g	50 mL	320099	03/24/16 19:38	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:50	DB	TAL IRV

Client Sample ID: SB-6-7

Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.38 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.38 g	10 mL	319521	03/23/16 15:42	AL	TAL IRV
Total/NA	Prep	5035			6.58 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.58 g	10 mL	320146	03/25/16 14:38	JB	TAL IRV
Total/NA	Prep	3546			15.24 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.24 g	1 mL	319565	03/23/16 22:03	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:42	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:52	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-11

Date Collected: 03/19/16 08:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.34 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.34 g	10 mL	319521	03/23/16 16:10	AL	TAL IRV
Total/NA	Prep	5035			6.23 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.23 g	10 mL	320146	03/25/16 15:05	JB	TAL IRV
Total/NA	Prep	3546			7.33 g	1 mL	319463	03/22/16 21:27	VA	TAL IRV
Total/NA	Analysis	8015B		1	7.33 g	1 mL	319836	03/24/16 17:11	CN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.00 g	50 mL	320099	03/24/16 19:44	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:55	DB	TAL IRV

Client Sample ID: SB-4-11

Date Collected: 03/19/16 13:19
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.75 g	10 mL	319021	03/21/16 11:30	AL	TAL IRV
Total/NA	Analysis	8260B		1	4.75 g	10 mL	319787	03/24/16 14:04	HR	TAL IRV
Total/NA	Analysis	8015B		1	5.04 g	10 mL	320379	03/27/16 02:22	IM	TAL IRV
Total/NA	Prep	3546			7.08 g	1 mL	319096	03/21/16 16:02	VA	TAL IRV
Total/NA	Analysis	8015B		1	7.08 g	1 mL	319243	03/22/16 15:10	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 10:16	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:59	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:57	DB	TAL IRV

Client Sample ID: SB-4-13

Date Collected: 03/19/16 13:21
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.43 g	10 mL	319021	03/21/16 11:30	AL	TAL IRV
Total/NA	Analysis	8260B		1	5.43 g	10 mL	319492	03/23/16 17:11	AL	TAL IRV
Total/NA	Analysis	8015B		1	5.08 g	10 mL	320379	03/27/16 02:51	IM	TAL IRV
Total/NA	Prep	3546			1.50 g	1 mL	319463	03/22/16 21:27	VA	TAL IRV
Total/NA	Analysis	8015B		1	1.50 g	1 mL	319836	03/24/16 15:51	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	319531	03/23/16 08:37	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	321081	03/29/16 22:50	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:59	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: IDW-Drum-031916

Date Collected: 03/19/16 14:25
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 10:16	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 20:01	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.49 g	50 mL	320686	03/28/16 13:02	DB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-319492/4
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Bromobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromochloromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromodichloromethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Bromoform	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromomethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/23/16 08:26	1
Chlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Chloroethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Chloroform	ND		2.0		ug/Kg			03/23/16 08:26	1
Chloromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 08:26	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 08:26	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
Dibromochloromethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/23/16 08:26	1
Dibromomethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
Ethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/23/16 08:26	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/23/16 08:26	1
Isopropylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/23/16 08:26	1
Methylene Chloride	ND		20		ug/Kg			03/23/16 08:26	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/23/16 08:26	1
m,p-Xylene	ND		4.0		ug/Kg			03/23/16 08:26	1
Naphthalene	ND		5.0		ug/Kg			03/23/16 08:26	1
n-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
N-Propylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
o-Xylene	ND		2.0		ug/Kg			03/23/16 08:26	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/23/16 08:26	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
Styrene	ND		2.0		ug/Kg			03/23/16 08:26	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/23/16 08:26	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/23/16 08:26	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319492/4
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Tetrachloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
Toluene	ND		2.0		ug/Kg			03/23/16 08:26	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Trichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/23/16 08:26	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Vinyl chloride	ND		5.0		ug/Kg			03/23/16 08:26	1
Xylenes, Total	ND		4.0		ug/Kg			03/23/16 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*79 - 120*		*03/23/16 08:26*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 120*		*03/23/16 08:26*	*1*
Toluene-d8 (Surr)	*103*		*79 - 123*		*03/23/16 08:26*	*1*

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	47.3		ug/Kg		95	65 - 120		
Bromobenzene			50.0	52.8		ug/Kg		106	75 - 120		
Bromochloromethane			50.0	53.1		ug/Kg		106	70 - 135		
Bromodichloromethane			50.0	51.3		ug/Kg		103	70 - 135		
Bromoform			50.0	56.7		ug/Kg		113	55 - 135		
Bromomethane			50.0	46.6		ug/Kg		93	60 - 145		
Carbon tetrachloride			50.0	54.8		ug/Kg		110	65 - 140		
Chlorobenzene			50.0	47.3		ug/Kg		95	75 - 120		
Chloroethane			50.0	47.1		ug/Kg		94	60 - 140		
Chloroform			50.0	47.4		ug/Kg		95	70 - 130		
Chloromethane			50.0	46.2		ug/Kg		92	45 - 145		
2-Chlorotoluene			50.0	46.7		ug/Kg		93	70 - 125		
4-Chlorotoluene			50.0	46.9		ug/Kg		94	75 - 125		
cis-1,2-Dichloroethene			50.0	51.1		ug/Kg		102	70 - 125		
cis-1,3-Dichloropropene			50.0	53.0		ug/Kg		106	75 - 125		
Dibromochloromethane			50.0	49.5		ug/Kg		99	65 - 140		
1,2-Dibromo-3-Chloropropane			50.0	48.6		ug/Kg		97	50 - 135		
1,2-Dibromoethane (EDB)			50.0	53.7		ug/Kg		107	70 - 130		
Dibromomethane			50.0	53.5		ug/Kg		107	70 - 130		
1,2-Dichlorobenzene			50.0	50.3		ug/Kg		101	75 - 120		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 125
1,4-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
Dichlorodifluoromethane	50.0	43.8		ug/Kg		88	35 - 160
1,1-Dichloroethane	50.0	46.8		ug/Kg		94	70 - 130
1,2-Dichloroethane	50.0	45.9		ug/Kg		92	60 - 140
1,1-Dichloroethene	50.0	50.5		ug/Kg		101	70 - 125
1,2-Dichloropropane	50.0	50.9		ug/Kg		102	70 - 130
1,3-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 125
2,2-Dichloropropane	50.0	51.1		ug/Kg		102	60 - 145
1,1-Dichloropropene	50.0	48.0		ug/Kg		96	70 - 130
Ethylbenzene	50.0	47.2		ug/Kg		94	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	68.0		ug/Kg		136	60 - 140
Hexachlorobutadiene	50.0	56.8		ug/Kg		114	60 - 135
Isopropylbenzene	50.0	46.8		ug/Kg		94	75 - 130
Isopropyl Ether (DIPE)	50.0	64.4		ug/Kg		129	60 - 140
Methylene Chloride	50.0	48.8		ug/Kg		98	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	52.6		ug/Kg		105	60 - 140
m,p-Xylene	50.0	49.6		ug/Kg		99	70 - 125
Naphthalene	50.0	53.6		ug/Kg		107	55 - 135
n-Butylbenzene	50.0	48.4		ug/Kg		97	70 - 130
N-Propylbenzene	50.0	47.0		ug/Kg		94	70 - 130
o-Xylene	50.0	46.7		ug/Kg		93	70 - 125
p-Isopropyltoluene	50.0	48.6		ug/Kg		97	75 - 125
sec-Butylbenzene	50.0	47.2		ug/Kg		94	70 - 125
Styrene	50.0	50.0		ug/Kg		100	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	61.8		ug/Kg		124	60 - 145
tert-Butyl alcohol (TBA)	500	545		ug/Kg		109	70 - 135
tert-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 125
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/Kg		108	55 - 140
Tetrachloroethene	50.0	56.7		ug/Kg		113	70 - 125
Toluene	50.0	48.2		ug/Kg		96	70 - 125
trans-1,2-Dichloroethene	50.0	52.8		ug/Kg		106	70 - 125
trans-1,3-Dichloropropene	50.0	52.4		ug/Kg		105	70 - 135
1,2,3-Trichlorobenzene	50.0	56.9		ug/Kg		114	60 - 130
1,2,4-Trichlorobenzene	50.0	57.6		ug/Kg		115	70 - 135
1,1,1-Trichloroethane	50.0	49.2		ug/Kg		98	65 - 135
1,1,2-Trichloroethane	50.0	49.4		ug/Kg		99	65 - 135
Trichloroethene	50.0	52.2		ug/Kg		104	70 - 125
Trichlorofluoromethane	50.0	48.4		ug/Kg		97	60 - 145
1,2,3-Trichloropropane	50.0	50.8		ug/Kg		102	60 - 135
1,2,4-Trimethylbenzene	50.0	48.7		ug/Kg		97	70 - 125
1,3,5-Trimethylbenzene	50.0	48.1		ug/Kg		96	70 - 125
Vinyl chloride	50.0	44.6		ug/Kg		89	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		79 - 123

Lab Sample ID: 440-142111-A-4 MS
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	46.0		ug/Kg		92	65 - 130
Bromobenzene	ND		50.0	52.0		ug/Kg		104	65 - 140
Bromochloromethane	ND		50.0	51.7		ug/Kg		103	65 - 145
Bromodichloromethane	ND		50.0	51.9		ug/Kg		104	65 - 145
Bromoform	ND		50.0	56.0		ug/Kg		112	50 - 145
Bromomethane	ND		50.0	45.3		ug/Kg		91	60 - 155
Carbon tetrachloride	ND		50.0	54.0		ug/Kg		108	60 - 145
Chlorobenzene	ND		50.0	46.1		ug/Kg		92	70 - 130
Chloroethane	ND		50.0	46.4		ug/Kg		93	60 - 150
Chloroform	ND		50.0	47.3		ug/Kg		95	65 - 135
Chloromethane	ND		50.0	44.7		ug/Kg		89	40 - 145
2-Chlorotoluene	ND		50.0	46.0		ug/Kg		92	60 - 135
4-Chlorotoluene	ND		50.0	45.9		ug/Kg		92	65 - 135
cis-1,2-Dichloroethene	ND		50.0	49.5		ug/Kg		99	65 - 135
cis-1,3-Dichloropropene	ND		50.0	53.6		ug/Kg		107	70 - 135
Dibromochloromethane	ND		50.0	50.5		ug/Kg		101	60 - 145
1,2-Dibromo-3-Chloropropane	ND		50.0	50.8		ug/Kg		102	40 - 150
1,2-Dibromoethane (EDB)	ND		50.0	55.2		ug/Kg		110	65 - 140
Dibromomethane	ND		50.0	50.4		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		50.0	46.5		ug/Kg		93	70 - 130
1,3-Dichlorobenzene	ND		50.0	46.4		ug/Kg		93	70 - 130
1,4-Dichlorobenzene	ND		50.0	47.3		ug/Kg		95	70 - 130
Dichlorodifluoromethane	ND		50.0	39.5		ug/Kg		79	30 - 160
1,1-Dichloroethane	ND		50.0	46.1		ug/Kg		92	65 - 135
1,2-Dichloroethane	ND		50.0	43.6		ug/Kg		87	60 - 150
1,1-Dichloroethene	ND		50.0	51.1		ug/Kg		102	65 - 135
1,2-Dichloropropane	ND		50.0	51.1		ug/Kg		102	65 - 130
1,3-Dichloropropane	ND		50.0	50.5		ug/Kg		101	65 - 140
2,2-Dichloropropane	ND		50.0	51.8		ug/Kg		104	65 - 150
1,1-Dichloropropene	ND		50.0	48.1		ug/Kg		96	65 - 135
Ethylbenzene	ND		50.0	46.4		ug/Kg		93	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		50.0	67.1		ug/Kg		134	60 - 145
Hexachlorobutadiene	ND		50.0	36.4		ug/Kg		73	50 - 145
Isopropylbenzene	ND		50.0	45.3		ug/Kg		91	70 - 145
Isopropyl Ether (DIPE)	ND		50.0	63.7		ug/Kg		127	60 - 150
Methylene Chloride	ND		50.0	48.4		ug/Kg		97	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.7		ug/Kg		99	55 - 155
m,p-Xylene	ND		50.0	49.6		ug/Kg		99	70 - 130
Naphthalene	ND		50.0	47.3		ug/Kg		95	40 - 150
n-Butylbenzene	ND		50.0	41.9		ug/Kg		84	55 - 145
N-Propylbenzene	ND		50.0	46.0		ug/Kg		92	65 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MS
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	ND		50.0	46.7		ug/Kg		93	65 - 130
p-Isopropyltoluene	ND		50.0	44.8		ug/Kg		90	60 - 140
sec-Butylbenzene	ND		50.0	44.2		ug/Kg		88	60 - 135
Styrene	ND		50.0	48.4		ug/Kg		97	70 - 140
Tert-amyl-methyl ether (TAME)	ND		50.0	61.5		ug/Kg		123	60 - 150
tert-Butyl alcohol (TBA)	ND		500	536		ug/Kg		107	65 - 145
tert-Butylbenzene	ND		50.0	46.3		ug/Kg		93	60 - 140
1,1,1,2-Tetrachloroethane	ND		50.0	53.4		ug/Kg		107	65 - 145
1,1,2,2-Tetrachloroethane	ND		50.0	57.5		ug/Kg		115	40 - 160
Tetrachloroethene	ND		50.0	54.8		ug/Kg		110	65 - 135
Toluene	ND		50.0	48.6		ug/Kg		97	70 - 130
trans-1,2-Dichloroethene	ND		50.0	53.4		ug/Kg		107	70 - 135
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/Kg		104	60 - 145
1,2,3-Trichlorobenzene	ND		50.0	41.5		ug/Kg		83	45 - 145
1,2,4-Trichlorobenzene	ND		50.0	44.8		ug/Kg		90	50 - 140
1,1,1-Trichloroethane	ND		50.0	48.7		ug/Kg		97	65 - 145
1,1,2-Trichloroethane	ND		50.0	50.9		ug/Kg		102	65 - 140
Trichloroethene	ND		50.0	50.6		ug/Kg		101	65 - 140
Trichlorofluoromethane	ND		50.0	48.1		ug/Kg		96	55 - 155
1,2,3-Trichloropropane	ND		50.0	53.8		ug/Kg		108	50 - 150
1,2,4-Trimethylbenzene	ND		50.0	46.9		ug/Kg		94	65 - 140
1,3,5-Trimethylbenzene	ND		50.0	46.5		ug/Kg		93	65 - 135
Vinyl chloride	ND		50.0	44.3		ug/Kg		89	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 120*
Toluene-d8 (Surr)	*105*		*79 - 123*

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.8	45.9		ug/Kg		92	65 - 130	0	20
Bromobenzene	ND		49.8	54.5		ug/Kg		110	65 - 140	5	25
Bromochloromethane	ND		49.8	51.6		ug/Kg		104	65 - 145	0	25
Bromodichloromethane	ND		49.8	52.2		ug/Kg		105	65 - 145	0	20
Bromoform	ND		49.8	62.5		ug/Kg		126	50 - 145	11	30
Bromomethane	ND		49.8	45.7		ug/Kg		92	60 - 155	1	25
Carbon tetrachloride	ND		49.8	53.7		ug/Kg		108	60 - 145	1	25
Chlorobenzene	ND		49.8	48.2		ug/Kg		97	70 - 130	5	25
Chloroethane	ND		49.8	46.2		ug/Kg		93	60 - 150	0	25
Chloroform	ND		49.8	47.4		ug/Kg		95	65 - 135	0	20
Chloromethane	ND		49.8	42.9		ug/Kg		86	40 - 145	4	25
2-Chlorotoluene	ND		49.8	49.3		ug/Kg		99	60 - 135	7	25
4-Chlorotoluene	ND		49.8	48.8		ug/Kg		98	65 - 135	6	25
cis-1,2-Dichloroethene	ND		49.8	48.9		ug/Kg		98	65 - 135	1	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		49.8	54.1		ug/Kg		109	70 - 135	1	25
Dibromochloromethane	ND		49.8	52.8		ug/Kg		106	60 - 145	4	25
1,2-Dibromo-3-Chloropropane	ND		49.8	51.6		ug/Kg		104	40 - 150	2	30
1,2-Dibromoethane (EDB)	ND		49.8	56.0		ug/Kg		112	65 - 140	1	25
Dibromomethane	ND		49.8	50.7		ug/Kg		102	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.8	50.8		ug/Kg		102	70 - 130	9	25
1,3-Dichlorobenzene	ND		49.8	50.6		ug/Kg		102	70 - 130	8	25
1,4-Dichlorobenzene	ND		49.8	50.8		ug/Kg		102	70 - 130	7	25
Dichlorodifluoromethane	ND		49.8	39.0		ug/Kg		78	30 - 160	1	35
1,1-Dichloroethane	ND		49.8	45.9		ug/Kg		92	65 - 135	0	25
1,2-Dichloroethane	ND		49.8	43.8		ug/Kg		88	60 - 150	1	25
1,1-Dichloroethene	ND		49.8	50.9		ug/Kg		102	65 - 135	1	25
1,2-Dichloropropane	ND		49.8	50.2		ug/Kg		101	65 - 130	2	20
1,3-Dichloropropane	ND		49.8	52.1		ug/Kg		105	65 - 140	3	25
2,2-Dichloropropane	ND		49.8	53.2		ug/Kg		107	65 - 150	3	25
1,1-Dichloropropene	ND		49.8	48.3		ug/Kg		97	65 - 135	0	20
Ethylbenzene	ND		49.8	48.9		ug/Kg		98	70 - 135	5	25
Ethyl-t-butyl ether (ETBE)	ND		49.8	67.0		ug/Kg		135	60 - 145	0	30
Hexachlorobutadiene	ND		49.8	43.1		ug/Kg		87	50 - 145	17	35
Isopropylbenzene	ND		49.8	48.4		ug/Kg		97	70 - 145	7	25
Isopropyl Ether (DIPE)	ND		49.8	63.5		ug/Kg		128	60 - 150	0	25
Methylene Chloride	ND		49.8	47.4		ug/Kg		95	55 - 145	2	25
Methyl-t-Butyl Ether (MTBE)	ND		49.8	49.9		ug/Kg		100	55 - 155	0	35
m,p-Xylene	ND		49.8	51.0		ug/Kg		102	70 - 130	3	25
Naphthalene	ND		49.8	52.2		ug/Kg		105	40 - 150	10	40
n-Butylbenzene	ND		49.8	46.4		ug/Kg		93	55 - 145	10	30
N-Propylbenzene	ND		49.8	49.2		ug/Kg		99	65 - 140	7	25
o-Xylene	ND		49.8	47.9		ug/Kg		96	65 - 130	3	25
p-Isopropyltoluene	ND		49.8	49.4		ug/Kg		99	60 - 140	10	25
sec-Butylbenzene	ND		49.8	48.3		ug/Kg		97	60 - 135	9	25
Styrene	ND		49.8	51.6		ug/Kg		104	70 - 140	6	25
Tert-amyl-methyl ether (TAME)	ND		49.8	62.5		ug/Kg		125	60 - 150	1	25
tert-Butyl alcohol (TBA)	ND		498	537		ug/Kg		108	65 - 145	0	30
tert-Butylbenzene	ND		49.8	50.2		ug/Kg		101	60 - 140	8	25
1,1,1,2-Tetrachloroethane	ND		49.8	56.3		ug/Kg		113	65 - 145	5	20
1,1,2,2-Tetrachloroethane	ND		49.8	59.7		ug/Kg		120	40 - 160	4	30
Tetrachloroethene	ND		49.8	56.4		ug/Kg		113	65 - 135	3	25
Toluene	ND		49.8	49.7		ug/Kg		100	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.8	51.5		ug/Kg		103	70 - 135	4	25
trans-1,3-Dichloropropene	ND		49.8	53.9		ug/Kg		108	60 - 145	3	25
1,2,3-Trichlorobenzene	ND		49.8	47.8		ug/Kg		96	45 - 145	14	30
1,2,4-Trichlorobenzene	ND		49.8	51.2		ug/Kg		103	50 - 140	13	30
1,1,1-Trichloroethane	ND		49.8	48.3		ug/Kg		97	65 - 145	1	20
1,1,2-Trichloroethane	ND		49.8	53.1		ug/Kg		107	65 - 140	4	30
Trichloroethene	ND		49.8	51.5		ug/Kg		103	65 - 140	2	25
Trichlorofluoromethane	ND		49.8	47.3		ug/Kg		95	55 - 155	2	25
1,2,3-Trichloropropane	ND		49.8	57.0		ug/Kg		114	50 - 150	6	30
1,2,4-Trimethylbenzene	ND		49.8	51.0		ug/Kg		102	65 - 140	8	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	ND		49.8	50.2		ug/Kg		101	65 - 135	8	25
Vinyl chloride	ND		49.8	43.7		ug/Kg		88	55 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 120*
Toluene-d8 (Surr)	*106*		*79 - 123*

Lab Sample ID: MB 440-319521/4
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Bromobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromochloromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromodichloromethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Bromoform	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromomethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/23/16 09:56	1
Chlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Chloroethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Chloroform	ND		2.0		ug/Kg			03/23/16 09:56	1
Chloromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 09:56	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 09:56	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
Dibromochloromethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/23/16 09:56	1
Dibromomethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
Ethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/23/16 09:56	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/23/16 09:56	1
Isopropylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/23/16 09:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319521/4
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		20		ug/Kg			03/23/16 09:56	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/23/16 09:56	1
m,p-Xylene	ND		4.0		ug/Kg			03/23/16 09:56	1
Naphthalene	ND		5.0		ug/Kg			03/23/16 09:56	1
n-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
N-Propylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
o-Xylene	ND		2.0		ug/Kg			03/23/16 09:56	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/23/16 09:56	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
Styrene	ND		2.0		ug/Kg			03/23/16 09:56	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/23/16 09:56	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/23/16 09:56	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Tetrachloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
Toluene	ND		2.0		ug/Kg			03/23/16 09:56	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Trichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/23/16 09:56	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Vinyl chloride	ND		5.0		ug/Kg			03/23/16 09:56	1
Xylenes, Total	ND		4.0		ug/Kg			03/23/16 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*79 - 120*		*03/23/16 09:56*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 120*		*03/23/16 09:56*	*1*
Toluene-d8 (Surr)	*109*		*79 - 123*		*03/23/16 09:56*	*1*

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	47.9		ug/Kg		96	65 - 120		
Bromobenzene			50.0	50.5		ug/Kg		101	75 - 120		
Bromochloromethane			50.0	55.9		ug/Kg		112	70 - 135		
Bromodichloromethane			50.0	54.1		ug/Kg		108	70 - 135		
Bromoform			50.0	56.9		ug/Kg		114	55 - 135		
Bromomethane			50.0	52.8		ug/Kg		106	60 - 145		
Carbon tetrachloride			50.0	52.4		ug/Kg		105	65 - 140		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	46.9		ug/Kg		94	75 - 120
Chloroethane	50.0	51.9		ug/Kg		104	60 - 140
Chloroform	50.0	50.4		ug/Kg		101	70 - 130
Chloromethane	50.0	49.9		ug/Kg		100	45 - 145
2-Chlorotoluene	50.0	46.1		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	47.1		ug/Kg		94	75 - 125
cis-1,2-Dichloroethene	50.0	52.6		ug/Kg		105	70 - 125
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	75 - 125
Dibromochloromethane	50.0	50.9		ug/Kg		102	65 - 140
1,2-Dibromo-3-Chloropropane	50.0	59.0		ug/Kg		118	50 - 135
1,2-Dibromoethane (EDB)	50.0	54.0		ug/Kg		108	70 - 130
Dibromomethane	50.0	53.7		ug/Kg		107	70 - 130
1,2-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 120
1,3-Dichlorobenzene	50.0	46.4		ug/Kg		93	75 - 125
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	75 - 120
Dichlorodifluoromethane	50.0	48.8		ug/Kg		98	35 - 160
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	70 - 130
1,2-Dichloroethane	50.0	52.4		ug/Kg		105	60 - 140
1,1-Dichloroethene	50.0	50.1		ug/Kg		100	70 - 125
1,2-Dichloropropane	50.0	52.2		ug/Kg		104	70 - 130
1,3-Dichloropropane	50.0	49.9		ug/Kg		100	70 - 125
2,2-Dichloropropane	50.0	50.9		ug/Kg		102	60 - 145
1,1-Dichloropropene	50.0	49.4		ug/Kg		99	70 - 130
Ethylbenzene	50.0	46.4		ug/Kg		93	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	55.6		ug/Kg		111	60 - 140
Hexachlorobutadiene	50.0	49.7		ug/Kg		99	60 - 135
Isopropylbenzene	50.0	47.8		ug/Kg		96	75 - 130
Isopropyl Ether (DIPE)	50.0	54.3		ug/Kg		109	60 - 140
Methylene Chloride	50.0	54.1		ug/Kg		108	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	54.5		ug/Kg		109	60 - 140
m,p-Xylene	50.0	49.0		ug/Kg		98	70 - 125
Naphthalene	50.0	55.6		ug/Kg		111	55 - 135
n-Butylbenzene	50.0	45.9		ug/Kg		92	70 - 130
N-Propylbenzene	50.0	44.1		ug/Kg		88	70 - 130
o-Xylene	50.0	47.6		ug/Kg		95	70 - 125
p-Isopropyltoluene	50.0	45.6		ug/Kg		91	75 - 125
sec-Butylbenzene	50.0	44.3		ug/Kg		89	70 - 125
Styrene	50.0	54.0		ug/Kg		108	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	56.3		ug/Kg		113	60 - 145
tert-Butyl alcohol (TBA)	500	504		ug/Kg		101	70 - 135
tert-Butylbenzene	50.0	46.5		ug/Kg		93	70 - 125
1,1,1,2-Tetrachloroethane	50.0	54.8		ug/Kg		110	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	55 - 140
Tetrachloroethene	50.0	45.5		ug/Kg		91	70 - 125
Toluene	50.0	47.3		ug/Kg		95	70 - 125
trans-1,2-Dichloroethene	50.0	51.9		ug/Kg		104	70 - 125
trans-1,3-Dichloropropene	50.0	55.2		ug/Kg		110	70 - 135
1,2,3-Trichlorobenzene	50.0	51.6		ug/Kg		103	60 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,4-Trichlorobenzene			50.0	51.8		ug/Kg		104	70 - 135		
1,1,1-Trichloroethane			50.0	49.8		ug/Kg		100	65 - 135		
1,1,2-Trichloroethane			50.0	52.4		ug/Kg		105	65 - 135		
Trichloroethene			50.0	49.7		ug/Kg		99	70 - 125		
Trichlorofluoromethane			50.0	47.7		ug/Kg		95	60 - 145		
1,2,3-Trichloropropane			50.0	53.1		ug/Kg		106	60 - 135		
1,2,4-Trimethylbenzene			50.0	47.8		ug/Kg		96	70 - 125		
1,3,5-Trimethylbenzene			50.0	47.3		ug/Kg		95	70 - 125		
Vinyl chloride			50.0	50.6		ug/Kg		101	55 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*
Dibromofluoromethane (Surr)	*107*		*60 - 120*
Toluene-d8 (Surr)	*103*		*79 - 123*

Lab Sample ID: LCSD 440-319521/6
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	48.5		ug/Kg		97	65 - 120	1	20
Bromobenzene			50.0	51.1		ug/Kg		102	75 - 120	1	20
Bromochloromethane			50.0	55.8		ug/Kg		112	70 - 135	0	20
Bromodichloromethane			50.0	54.1		ug/Kg		108	70 - 135	0	20
Bromoform			50.0	58.3		ug/Kg		117	55 - 135	2	25
Bromomethane			50.0	53.9		ug/Kg		108	60 - 145	2	20
Carbon tetrachloride			50.0	53.9		ug/Kg		108	65 - 140	3	20
Chlorobenzene			50.0	47.9		ug/Kg		96	75 - 120	2	20
Chloroethane			50.0	55.4		ug/Kg		111	60 - 140	7	25
Chloroform			50.0	51.4		ug/Kg		103	70 - 130	2	20
Chloromethane			50.0	52.9		ug/Kg		106	45 - 145	6	25
2-Chlorotoluene			50.0	47.5		ug/Kg		95	70 - 125	3	20
4-Chlorotoluene			50.0	47.2		ug/Kg		94	75 - 125	0	20
cis-1,2-Dichloroethene			50.0	54.0		ug/Kg		108	70 - 125	3	20
cis-1,3-Dichloropropene			50.0	56.5		ug/Kg		113	75 - 125	3	20
Dibromochloromethane			50.0	52.3		ug/Kg		105	65 - 140	3	20
1,2-Dibromo-3-Chloropropane			50.0	57.4		ug/Kg		115	50 - 135	3	30
1,2-Dibromoethane (EDB)			50.0	55.1		ug/Kg		110	70 - 130	2	20
Dibromomethane			50.0	53.3		ug/Kg		107	70 - 130	1	20
1,2-Dichlorobenzene			50.0	50.3		ug/Kg		101	75 - 120	2	20
1,3-Dichlorobenzene			50.0	46.8		ug/Kg		94	75 - 125	1	20
1,4-Dichlorobenzene			50.0	47.8		ug/Kg		96	75 - 120	1	20
Dichlorodifluoromethane			50.0	51.3		ug/Kg		103	35 - 160	5	30
1,1-Dichloroethane			50.0	48.6		ug/Kg		97	70 - 130	2	20
1,2-Dichloroethane			50.0	50.4		ug/Kg		101	60 - 140	4	20
1,1-Dichloroethene			50.0	51.0		ug/Kg		102	70 - 125	2	20
1,2-Dichloropropane			50.0	53.2		ug/Kg		106	70 - 130	2	20
1,3-Dichloropropane			50.0	50.7		ug/Kg		101	70 - 125	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-319521/6
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane			50.0	50.3		ug/Kg		101	60 - 145	1	20
1,1-Dichloropropene			50.0	49.8		ug/Kg		100	70 - 130	1	20
Ethylbenzene			50.0	46.7		ug/Kg		93	70 - 125	1	20
Ethyl-t-butyl ether (ETBE)			50.0	56.1		ug/Kg		112	60 - 140	1	20
Hexachlorobutadiene			50.0	44.6		ug/Kg		89	60 - 135	11	20
Isopropylbenzene			50.0	48.5		ug/Kg		97	75 - 130	1	20
Isopropyl Ether (DIPE)			50.0	55.2		ug/Kg		110	60 - 140	2	20
Methylene Chloride			50.0	55.3		ug/Kg		111	55 - 135	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	55.3		ug/Kg		111	60 - 140	1	25
m,p-Xylene			50.0	49.8		ug/Kg		100	70 - 125	2	20
Naphthalene			50.0	56.8		ug/Kg		114	55 - 135	2	25
n-Butylbenzene			50.0	43.6		ug/Kg		87	70 - 130	5	20
N-Propylbenzene			50.0	45.0		ug/Kg		90	70 - 130	2	20
o-Xylene			50.0	48.3		ug/Kg		97	70 - 125	1	20
p-Isopropyltoluene			50.0	45.1		ug/Kg		90	75 - 125	1	20
sec-Butylbenzene			50.0	43.8		ug/Kg		88	70 - 125	1	20
Styrene			50.0	54.3		ug/Kg		109	75 - 130	1	20
Tert-amyl-methyl ether (TAME)			50.0	57.2		ug/Kg		114	60 - 145	2	20
tert-Butyl alcohol (TBA)			500	509		ug/Kg		102	70 - 135	1	20
tert-Butylbenzene			50.0	47.3		ug/Kg		95	70 - 125	2	20
1,1,1,2-Tetrachloroethane			50.0	55.7		ug/Kg		111	70 - 130	2	20
1,1,2,2-Tetrachloroethane			50.0	54.6		ug/Kg		109	55 - 140	4	30
Tetrachloroethene			50.0	46.3		ug/Kg		93	70 - 125	2	20
Toluene			50.0	48.1		ug/Kg		96	70 - 125	2	20
trans-1,2-Dichloroethene			50.0	53.1		ug/Kg		106	70 - 125	2	20
trans-1,3-Dichloropropene			50.0	55.9		ug/Kg		112	70 - 135	1	20
1,2,3-Trichlorobenzene			50.0	52.0		ug/Kg		104	60 - 130	1	20
1,2,4-Trichlorobenzene			50.0	50.9		ug/Kg		102	70 - 135	2	20
1,1,1-Trichloroethane			50.0	49.8		ug/Kg		100	65 - 135	0	20
1,1,2-Trichloroethane			50.0	54.1		ug/Kg		108	65 - 135	3	20
Trichloroethene			50.0	49.9		ug/Kg		100	70 - 125	0	20
Trichlorofluoromethane			50.0	49.7		ug/Kg		99	60 - 145	4	25
1,2,3-Trichloropropane			50.0	54.5		ug/Kg		109	60 - 135	3	25
1,2,4-Trimethylbenzene			50.0	48.4		ug/Kg		97	70 - 125	1	20
1,3,5-Trimethylbenzene			50.0	48.2		ug/Kg		96	70 - 125	2	20
Vinyl chloride			50.0	52.5		ug/Kg		105	55 - 135	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 120*
Toluene-d8 (Surr)	*105*		*79 - 123*

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/24/16 08:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromochloromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromodichloromethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Bromoform	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromomethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/24/16 08:28	1
Chlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Chloroethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Chloroform	ND		2.0		ug/Kg			03/24/16 08:28	1
Chloromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 08:28	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 08:28	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
Dibromochloromethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/24/16 08:28	1
Dibromomethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
Ethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/24/16 08:28	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/24/16 08:28	1
Isopropylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/24/16 08:28	1
Methylene Chloride	ND		20		ug/Kg			03/24/16 08:28	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/24/16 08:28	1
m,p-Xylene	ND		4.0		ug/Kg			03/24/16 08:28	1
Naphthalene	ND		5.0		ug/Kg			03/24/16 08:28	1
n-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
N-Propylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
o-Xylene	ND		2.0		ug/Kg			03/24/16 08:28	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/24/16 08:28	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
Styrene	ND		2.0		ug/Kg			03/24/16 08:28	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/24/16 08:28	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/24/16 08:28	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/24/16 08:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Tetrachloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
Toluene	ND		2.0		ug/Kg			03/24/16 08:28	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Trichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/24/16 08:28	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Vinyl chloride	ND		5.0		ug/Kg			03/24/16 08:28	1
Xylenes, Total	ND		4.0		ug/Kg			03/24/16 08:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*		*03/24/16 08:28*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 120*		*03/24/16 08:28*	*1*
Toluene-d8 (Surr)	*114*		*79 - 123*		*03/24/16 08:28*	*1*

Lab Sample ID: LCS 440-319787/5
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	52.2		ug/Kg		104	65 - 120
Bromobenzene	50.0	53.0		ug/Kg		106	75 - 120
Bromochloromethane	50.0	54.4		ug/Kg		109	70 - 135
Bromodichloromethane	50.0	50.7		ug/Kg		101	70 - 135
Bromoform	50.0	40.2		ug/Kg		80	55 - 135
Bromomethane	50.0	53.0		ug/Kg		106	60 - 145
Carbon tetrachloride	50.0	50.9		ug/Kg		102	65 - 140
Chlorobenzene	50.0	52.6		ug/Kg		105	75 - 120
Chloroethane	50.0	55.1		ug/Kg		110	60 - 140
Chloroform	50.0	51.1		ug/Kg		102	70 - 130
Chloromethane	50.0	52.3		ug/Kg		105	45 - 145
2-Chlorotoluene	50.0	54.0		ug/Kg		108	70 - 125
4-Chlorotoluene	50.0	53.4		ug/Kg		107	75 - 125
cis-1,2-Dichloroethene	50.0	54.7		ug/Kg		109	70 - 125
cis-1,3-Dichloropropene	50.0	59.1		ug/Kg		118	75 - 125
Dibromochloromethane	50.0	47.5		ug/Kg		95	65 - 140
1,2-Dibromo-3-Chloropropane	50.0	56.7		ug/Kg		113	50 - 135
1,2-Dibromoethane (EDB)	50.0	57.6		ug/Kg		115	70 - 130
Dibromomethane	50.0	51.8		ug/Kg		104	70 - 130
1,2-Dichlorobenzene	50.0	57.4		ug/Kg		115	75 - 120
1,3-Dichlorobenzene	50.0	54.4		ug/Kg		109	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319787/5
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	53.3		ug/Kg		107	75 - 120
Dichlorodifluoromethane	50.0	49.0		ug/Kg		98	35 - 160
1,1-Dichloroethane	50.0	52.1		ug/Kg		104	70 - 130
1,2-Dichloroethane	50.0	50.6		ug/Kg		101	60 - 140
1,1-Dichloroethene	50.0	57.6		ug/Kg		115	70 - 125
1,2-Dichloropropane	50.0	57.4		ug/Kg		115	70 - 130
1,3-Dichloropropane	50.0	55.9		ug/Kg		112	70 - 125
2,2-Dichloropropane	50.0	49.9		ug/Kg		100	60 - 145
1,1-Dichloropropene	50.0	52.4		ug/Kg		105	70 - 130
Ethylbenzene	50.0	53.0		ug/Kg		106	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	59.2		ug/Kg		118	60 - 140
Hexachlorobutadiene	50.0	56.7		ug/Kg		113	60 - 135
Isopropylbenzene	50.0	53.8		ug/Kg		108	75 - 130
Isopropyl Ether (DIPE)	50.0	60.8		ug/Kg		122	60 - 140
Methylene Chloride	50.0	51.9		ug/Kg		104	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	55.8		ug/Kg		112	60 - 140
m,p-Xylene	50.0	53.7		ug/Kg		107	70 - 125
Naphthalene	50.0	61.5		ug/Kg		123	55 - 135
n-Butylbenzene	50.0	52.6		ug/Kg		105	70 - 130
N-Propylbenzene	50.0	54.0		ug/Kg		108	70 - 130
o-Xylene	50.0	51.9		ug/Kg		104	70 - 125
p-Isopropyltoluene	50.0	54.2		ug/Kg		108	75 - 125
sec-Butylbenzene	50.0	52.7		ug/Kg		105	70 - 125
Styrene	50.0	57.2		ug/Kg		114	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	59.5		ug/Kg		119	60 - 145
tert-Butyl alcohol (TBA)	500	521		ug/Kg		104	70 - 135
tert-Butylbenzene	50.0	53.9		ug/Kg		108	70 - 125
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	57.1		ug/Kg		114	55 - 140
Tetrachloroethene	50.0	53.3		ug/Kg		107	70 - 125
Toluene	50.0	55.0		ug/Kg		110	70 - 125
trans-1,2-Dichloroethene	50.0	55.4		ug/Kg		111	70 - 125
trans-1,3-Dichloropropene	50.0	55.8		ug/Kg		112	70 - 135
1,2,3-Trichlorobenzene	50.0	58.6		ug/Kg		117	60 - 130
1,2,4-Trichlorobenzene	50.0	58.9		ug/Kg		118	70 - 135
1,1,1-Trichloroethane	50.0	48.7		ug/Kg		97	65 - 135
1,1,2-Trichloroethane	50.0	56.0		ug/Kg		112	65 - 135
Trichloroethene	50.0	53.3		ug/Kg		107	70 - 125
Trichlorofluoromethane	50.0	52.0		ug/Kg		104	60 - 145
1,2,3-Trichloropropane	50.0	54.6		ug/Kg		109	60 - 135
1,2,4-Trimethylbenzene	50.0	53.7		ug/Kg		107	70 - 125
1,3,5-Trimethylbenzene	50.0	52.7		ug/Kg		105	70 - 125
Vinyl chloride	50.0	45.5		ug/Kg		91	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*79 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 120*
Toluene-d8 (Surr)	*110*		*79 - 123*

Lab Sample ID: 440-142056-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		49.7	51.8		ug/Kg		104	65 - 130
Bromobenzene	ND		49.7	53.1		ug/Kg		107	65 - 140
Bromochloromethane	ND		49.7	53.3		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.7	50.2		ug/Kg		101	65 - 145
Bromoform	ND		49.7	40.8		ug/Kg		82	50 - 145
Bromomethane	ND		49.7	51.6		ug/Kg		104	60 - 155
Carbon tetrachloride	ND		49.7	51.3		ug/Kg		103	60 - 145
Chlorobenzene	ND		49.7	50.3		ug/Kg		101	70 - 130
Chloroethane	ND		49.7	56.1		ug/Kg		113	60 - 150
Chloroform	ND		49.7	51.1		ug/Kg		103	65 - 135
Chloromethane	ND		49.7	50.5		ug/Kg		102	40 - 145
2-Chlorotoluene	ND		49.7	54.1		ug/Kg		109	60 - 135
4-Chlorotoluene	ND		49.7	54.5		ug/Kg		110	65 - 135
cis-1,2-Dichloroethene	ND		49.7	56.3		ug/Kg		113	65 - 135
cis-1,3-Dichloropropene	ND		49.7	57.3		ug/Kg		115	70 - 135
Dibromochloromethane	ND		49.7	45.7		ug/Kg		92	60 - 145
1,2-Dibromo-3-Chloropropane	ND		49.7	53.6		ug/Kg		108	40 - 150
1,2-Dibromoethane (EDB)	ND		49.7	53.1		ug/Kg		107	65 - 140
Dibromomethane	ND		49.7	50.2		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		49.7	56.6		ug/Kg		114	70 - 130
1,3-Dichlorobenzene	ND		49.7	55.0		ug/Kg		111	70 - 130
1,4-Dichlorobenzene	ND		49.7	53.2		ug/Kg		107	70 - 130
Dichlorodifluoromethane	ND		49.7	49.2		ug/Kg		99	30 - 160
1,1-Dichloroethane	ND		49.7	52.1		ug/Kg		105	65 - 135
1,2-Dichloroethane	ND		49.7	49.9		ug/Kg		100	60 - 150
1,1-Dichloroethene	ND		49.7	56.9		ug/Kg		115	65 - 135
1,2-Dichloropropane	ND		49.7	56.1		ug/Kg		113	65 - 130
1,3-Dichloropropane	ND		49.7	53.2		ug/Kg		107	65 - 140
2,2-Dichloropropane	ND		49.7	48.5		ug/Kg		97	65 - 150
1,1-Dichloropropene	ND		49.7	53.2		ug/Kg		107	65 - 135
Ethylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		49.7	57.2		ug/Kg		115	60 - 145
Hexachlorobutadiene	ND		49.7	55.2		ug/Kg		111	50 - 145
Isopropylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 145
Isopropyl Ether (DIPE)	ND		49.7	58.9		ug/Kg		118	60 - 150
Methylene Chloride	ND		49.7	51.0		ug/Kg		103	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.7	53.9		ug/Kg		108	55 - 155
m,p-Xylene	ND		49.7	52.2		ug/Kg		105	70 - 130
Naphthalene	ND		49.7	57.2		ug/Kg		115	40 - 150
n-Butylbenzene	ND		49.7	53.5		ug/Kg		108	55 - 145
N-Propylbenzene	ND		49.7	55.3		ug/Kg		111	65 - 140
o-Xylene	ND		49.7	50.1		ug/Kg		101	65 - 130
p-Isopropyltoluene	ND		49.7	54.8		ug/Kg		110	60 - 140
sec-Butylbenzene	ND		49.7	53.1		ug/Kg		107	60 - 135
Styrene	ND		49.7	53.7		ug/Kg		108	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.7	56.8		ug/Kg		114	60 - 150
tert-Butyl alcohol (TBA)	ND		497	523		ug/Kg		105	65 - 145
tert-Butylbenzene	ND		49.7	54.8		ug/Kg		110	60 - 140
1,1,1,2-Tetrachloroethane	ND		49.7	49.8		ug/Kg		100	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.7	54.5		ug/Kg		110	40 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	ND		49.7	52.1		ug/Kg		105	65 - 135
Toluene	ND		49.7	53.2		ug/Kg		107	70 - 130
trans-1,2-Dichloroethene	ND		49.7	54.5		ug/Kg		110	70 - 135
trans-1,3-Dichloropropene	ND		49.7	53.2		ug/Kg		107	60 - 145
1,2,3-Trichlorobenzene	ND		49.7	55.0		ug/Kg		111	45 - 145
1,2,4-Trichlorobenzene	ND		49.7	57.0		ug/Kg		115	50 - 140
1,1,1-Trichloroethane	ND		49.7	49.2		ug/Kg		99	65 - 145
1,1,2-Trichloroethane	ND		49.7	53.3		ug/Kg		107	65 - 140
Trichloroethene	ND		49.7	53.8		ug/Kg		108	65 - 140
Trichlorofluoromethane	ND		49.7	51.9		ug/Kg		104	55 - 155
1,2,3-Trichloropropane	ND		49.7	54.1		ug/Kg		109	50 - 150
1,2,4-Trimethylbenzene	ND		49.7	54.5		ug/Kg		110	65 - 140
1,3,5-Trimethylbenzene	ND		49.7	53.8		ug/Kg		108	65 - 135
Vinyl chloride	ND		49.7	44.7		ug/Kg		90	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 120*
Toluene-d8 (Surr)	*108*		*79 - 123*

Lab Sample ID: 440-142056-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.6	52.6		ug/Kg		106	65 - 130	1	20
Bromobenzene	ND		49.6	52.8		ug/Kg		106	65 - 140	1	25
Bromochloromethane	ND		49.6	54.0		ug/Kg		109	65 - 145	1	25
Bromodichloromethane	ND		49.6	50.5		ug/Kg		102	65 - 145	1	20
Bromoform	ND		49.6	38.7		ug/Kg		78	50 - 145	5	30
Bromomethane	ND		49.6	52.2		ug/Kg		105	60 - 155	1	25
Carbon tetrachloride	ND		49.6	51.9		ug/Kg		105	60 - 145	1	25
Chlorobenzene	ND		49.6	50.4		ug/Kg		102	70 - 130	0	25
Chloroethane	ND		49.6	56.7		ug/Kg		114	60 - 150	1	25
Chloroform	ND		49.6	51.0		ug/Kg		103	65 - 135	0	20
Chloromethane	ND		49.6	49.7		ug/Kg		100	40 - 145	2	25
2-Chlorotoluene	ND		49.6	54.7		ug/Kg		110	60 - 135	1	25
4-Chlorotoluene	ND		49.6	55.5		ug/Kg		112	65 - 135	2	25
cis-1,2-Dichloroethene	ND		49.6	53.6		ug/Kg		108	65 - 135	5	25
cis-1,3-Dichloropropene	ND		49.6	57.1		ug/Kg		115	70 - 135	0	25
Dibromochloromethane	ND		49.6	46.3		ug/Kg		93	60 - 145	1	25
1,2-Dibromo-3-Chloropropane	ND		49.6	57.5		ug/Kg		116	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		49.6	54.6		ug/Kg		110	65 - 140	3	25
Dibromomethane	ND		49.6	50.9		ug/Kg		103	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.6	57.2		ug/Kg		115	70 - 130	1	25
1,3-Dichlorobenzene	ND		49.6	54.7		ug/Kg		110	70 - 130	1	25
1,4-Dichlorobenzene	ND		49.6	53.2		ug/Kg		107	70 - 130	0	25
Dichlorodifluoromethane	ND		49.6	48.0		ug/Kg		97	30 - 160	3	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		49.6	53.1		ug/Kg		107	65 - 135	2	25
1,2-Dichloroethane	ND		49.6	50.7		ug/Kg		102	60 - 150	2	25
1,1-Dichloroethene	ND		49.6	54.8		ug/Kg		111	65 - 135	4	25
1,2-Dichloropropane	ND		49.6	56.9		ug/Kg		115	65 - 130	1	20
1,3-Dichloropropane	ND		49.6	52.8		ug/Kg		107	65 - 140	1	25
2,2-Dichloropropane	ND		49.6	51.2		ug/Kg		103	65 - 150	6	25
1,1-Dichloropropene	ND		49.6	53.2		ug/Kg		107	65 - 135	0	20
Ethylbenzene	ND		49.6	52.2		ug/Kg		105	70 - 135	1	25
Ethyl-t-butyl ether (ETBE)	ND		49.6	58.6		ug/Kg		118	60 - 145	2	30
Hexachlorobutadiene	ND		49.6	57.1		ug/Kg		115	50 - 145	3	35
Isopropylbenzene	ND		49.6	51.4		ug/Kg		104	70 - 145	2	25
Isopropyl Ether (DIPE)	ND		49.6	60.6		ug/Kg		122	60 - 150	3	25
Methylene Chloride	ND		49.6	51.1		ug/Kg		103	55 - 145	0	25
Methyl-t-Butyl Ether (MTBE)	ND		49.6	55.8		ug/Kg		112	55 - 155	3	35
m,p-Xylene	ND		49.6	51.5		ug/Kg		104	70 - 130	1	25
Naphthalene	ND		49.6	62.1		ug/Kg		125	40 - 150	8	40
n-Butylbenzene	ND		49.6	53.9		ug/Kg		109	55 - 145	1	30
N-Propylbenzene	ND		49.6	55.0		ug/Kg		111	65 - 140	1	25
o-Xylene	ND		49.6	50.0		ug/Kg		101	65 - 130	0	25
p-Isopropyltoluene	ND		49.6	53.6		ug/Kg		108	60 - 140	2	25
sec-Butylbenzene	ND		49.6	53.7		ug/Kg		108	60 - 135	1	25
Styrene	ND		49.6	54.4		ug/Kg		110	70 - 140	1	25
Tert-amyl-methyl ether (TAME)	ND		49.6	59.6		ug/Kg		120	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		496	501		ug/Kg		101	65 - 145	4	30
tert-Butylbenzene	ND		49.6	56.0		ug/Kg		113	60 - 140	2	25
1,1,1,2-Tetrachloroethane	ND		49.6	50.6		ug/Kg		102	65 - 145	2	20
1,1,2,2-Tetrachloroethane	ND		49.6	57.1		ug/Kg		115	40 - 160	5	30
Tetrachloroethene	ND		49.6	52.2		ug/Kg		105	65 - 135	0	25
Toluene	ND		49.6	52.1		ug/Kg		105	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.6	55.5		ug/Kg		112	70 - 135	2	25
trans-1,3-Dichloropropene	ND		49.6	53.2		ug/Kg		107	60 - 145	0	25
1,2,3-Trichlorobenzene	ND		49.6	59.1		ug/Kg		119	45 - 145	7	30
1,2,4-Trichlorobenzene	ND		49.6	58.7		ug/Kg		118	50 - 140	3	30
1,1,1-Trichloroethane	ND		49.6	52.0		ug/Kg		105	65 - 145	5	20
1,1,2-Trichloroethane	ND		49.6	54.5		ug/Kg		110	65 - 140	2	30
Trichloroethene	ND		49.6	53.7		ug/Kg		108	65 - 140	0	25
Trichlorofluoromethane	ND		49.6	52.0		ug/Kg		105	55 - 155	0	25
1,2,3-Trichloropropane	ND		49.6	54.1		ug/Kg		109	50 - 150	0	30
1,2,4-Trimethylbenzene	ND		49.6	54.9		ug/Kg		111	65 - 140	1	25
1,3,5-Trimethylbenzene	ND		49.6	55.1		ug/Kg		111	65 - 135	2	25
Vinyl chloride	ND		49.6	43.3		ug/Kg		87	55 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 120*
Toluene-d8 (Surr)	*106*		*79 - 123*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		49.7	51.8		ug/Kg		104	65 - 130
Bromobenzene	ND		49.7	53.1		ug/Kg		107	65 - 140
Bromochloromethane	ND		49.7	53.3		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.7	50.2		ug/Kg		101	65 - 145
Bromoform	ND		49.7	40.8		ug/Kg		82	50 - 145
Bromomethane	ND		49.7	51.6		ug/Kg		104	60 - 155
Carbon tetrachloride	ND		49.7	51.3		ug/Kg		103	60 - 145
Chlorobenzene	ND		49.7	50.3		ug/Kg		101	70 - 130
Chloroethane	ND		49.7	56.1		ug/Kg		113	60 - 150
Chloroform	ND		49.7	51.1		ug/Kg		103	65 - 135
Chloromethane	ND		49.7	50.5		ug/Kg		102	40 - 145
2-Chlorotoluene	ND		49.7	54.1		ug/Kg		109	60 - 135
4-Chlorotoluene	ND		49.7	54.5		ug/Kg		110	65 - 135
cis-1,2-Dichloroethene	ND		49.7	56.3		ug/Kg		113	65 - 135
cis-1,3-Dichloropropene	ND		49.7	57.3		ug/Kg		115	70 - 135
Dibromochloromethane	ND		49.7	45.7		ug/Kg		92	60 - 145
1,2-Dibromo-3-Chloropropane	ND		49.7	53.6		ug/Kg		108	40 - 150
1,2-Dibromoethane (EDB)	ND		49.7	53.1		ug/Kg		107	65 - 140
Dibromomethane	ND		49.7	50.2		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		49.7	56.6		ug/Kg		114	70 - 130
1,3-Dichlorobenzene	ND		49.7	55.0		ug/Kg		111	70 - 130
1,4-Dichlorobenzene	ND		49.7	53.2		ug/Kg		107	70 - 130
Dichlorodifluoromethane	ND		49.7	49.2		ug/Kg		99	30 - 160
1,1-Dichloroethane	ND		49.7	52.1		ug/Kg		105	65 - 135
1,2-Dichloroethane	ND		49.7	49.9		ug/Kg		100	60 - 150
1,1-Dichloroethene	ND		49.7	56.9		ug/Kg		115	65 - 135
1,2-Dichloropropane	ND		49.7	56.1		ug/Kg		113	65 - 130
1,3-Dichloropropane	ND		49.7	53.2		ug/Kg		107	65 - 140
2,2-Dichloropropane	ND		49.7	48.5		ug/Kg		97	65 - 150
1,1-Dichloropropene	ND		49.7	53.2		ug/Kg		107	65 - 135
Ethylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		49.7	57.2		ug/Kg		115	60 - 145
Hexachlorobutadiene	ND		49.7	55.2		ug/Kg		111	50 - 145
Isopropylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 145
Isopropyl Ether (DIPE)	ND		49.7	58.9		ug/Kg		118	60 - 150
Methylene Chloride	ND		49.7	51.0		ug/Kg		103	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.7	53.9		ug/Kg		108	55 - 155
m,p-Xylene	ND		49.7	52.2		ug/Kg		105	70 - 130
Naphthalene	ND		49.7	57.2		ug/Kg		115	40 - 150
n-Butylbenzene	ND		49.7	53.5		ug/Kg		108	55 - 145
N-Propylbenzene	ND		49.7	55.3		ug/Kg		111	65 - 140
o-Xylene	ND		49.7	50.1		ug/Kg		101	65 - 130
p-Isopropyltoluene	ND		49.7	54.8		ug/Kg		110	60 - 140
sec-Butylbenzene	ND		49.7	53.1		ug/Kg		107	60 - 135
Styrene	ND		49.7	53.7		ug/Kg		108	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.7	56.8		ug/Kg		114	60 - 150
tert-Butyl alcohol (TBA)	ND		497	523		ug/Kg		105	65 - 145
tert-Butylbenzene	ND		49.7	54.8		ug/Kg		110	60 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.7	49.8		ug/Kg		100	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.7	54.5		ug/Kg		110	40 - 160
Tetrachloroethene	ND		49.7	52.1		ug/Kg		105	65 - 135
Toluene	ND		49.7	53.2		ug/Kg		107	70 - 130
trans-1,2-Dichloroethene	ND		49.7	54.5		ug/Kg		110	70 - 135
trans-1,3-Dichloropropene	ND		49.7	53.2		ug/Kg		107	60 - 145
1,2,3-Trichlorobenzene	ND		49.7	55.0		ug/Kg		111	45 - 145
1,2,4-Trichlorobenzene	ND		49.7	57.0		ug/Kg		115	50 - 140
1,1,1-Trichloroethane	ND		49.7	49.2		ug/Kg		99	65 - 145
1,1,2-Trichloroethane	ND		49.7	53.3		ug/Kg		107	65 - 140
Trichloroethene	ND		49.7	53.8		ug/Kg		108	65 - 140
Trichlorofluoromethane	ND		49.7	51.9		ug/Kg		104	55 - 155
1,2,3-Trichloropropane	ND		49.7	54.1		ug/Kg		109	50 - 150
1,2,4-Trimethylbenzene	ND		49.7	54.5		ug/Kg		110	65 - 140
1,3,5-Trimethylbenzene	ND		49.7	53.8		ug/Kg		108	65 - 135
Vinyl chloride	ND		49.7	44.7		ug/Kg		90	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 120*
Toluene-d8 (Surr)	*108*		*79 - 123*

Lab Sample ID: 440-142056-H-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.6	52.6		ug/Kg		106	65 - 130	1	20
Bromobenzene	ND		49.6	52.8		ug/Kg		106	65 - 140	1	25
Bromochloromethane	ND		49.6	54.0		ug/Kg		109	65 - 145	1	25
Bromodichloromethane	ND		49.6	50.5		ug/Kg		102	65 - 145	1	20
Bromoform	ND		49.6	38.7		ug/Kg		78	50 - 145	5	30
Bromomethane	ND		49.6	52.2		ug/Kg		105	60 - 155	1	25
Carbon tetrachloride	ND		49.6	51.9		ug/Kg		105	60 - 145	1	25
Chlorobenzene	ND		49.6	50.4		ug/Kg		102	70 - 130	0	25
Chloroethane	ND		49.6	56.7		ug/Kg		114	60 - 150	1	25
Chloroform	ND		49.6	51.0		ug/Kg		103	65 - 135	0	20
Chloromethane	ND		49.6	49.7		ug/Kg		100	40 - 145	2	25
2-Chlorotoluene	ND		49.6	54.7		ug/Kg		110	60 - 135	1	25
4-Chlorotoluene	ND		49.6	55.5		ug/Kg		112	65 - 135	2	25
cis-1,2-Dichloroethene	ND		49.6	53.6		ug/Kg		108	65 - 135	5	25
cis-1,3-Dichloropropene	ND		49.6	57.1		ug/Kg		115	70 - 135	0	25
Dibromochloromethane	ND		49.6	46.3		ug/Kg		93	60 - 145	1	25
1,2-Dibromo-3-Chloropropane	ND		49.6	57.5		ug/Kg		116	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		49.6	54.6		ug/Kg		110	65 - 140	3	25
Dibromomethane	ND		49.6	50.9		ug/Kg		103	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.6	57.2		ug/Kg		115	70 - 130	1	25
1,3-Dichlorobenzene	ND		49.6	54.7		ug/Kg		110	70 - 130	1	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		49.6	53.2		ug/Kg		107	70 - 130	0	25
Dichlorodifluoromethane	ND		49.6	48.0		ug/Kg		97	30 - 160	3	35
1,1-Dichloroethane	ND		49.6	53.1		ug/Kg		107	65 - 135	2	25
1,2-Dichloroethane	ND		49.6	50.7		ug/Kg		102	60 - 150	2	25
1,1-Dichloroethene	ND		49.6	54.8		ug/Kg		111	65 - 135	4	25
1,2-Dichloropropane	ND		49.6	56.9		ug/Kg		115	65 - 130	1	20
1,3-Dichloropropane	ND		49.6	52.8		ug/Kg		107	65 - 140	1	25
2,2-Dichloropropane	ND		49.6	51.2		ug/Kg		103	65 - 150	6	25
1,1-Dichloropropene	ND		49.6	53.2		ug/Kg		107	65 - 135	0	20
Ethylbenzene	ND		49.6	52.2		ug/Kg		105	70 - 135	1	25
Ethyl-t-butyl ether (ETBE)	ND		49.6	58.6		ug/Kg		118	60 - 145	2	30
Hexachlorobutadiene	ND		49.6	57.1		ug/Kg		115	50 - 145	3	35
Isopropylbenzene	ND		49.6	51.4		ug/Kg		104	70 - 145	2	25
Isopropyl Ether (DIPE)	ND		49.6	60.6		ug/Kg		122	60 - 150	3	25
Methylene Chloride	ND		49.6	51.1		ug/Kg		103	55 - 145	0	25
Methyl-t-Butyl Ether (MTBE)	ND		49.6	55.8		ug/Kg		112	55 - 155	3	35
m,p-Xylene	ND		49.6	51.5		ug/Kg		104	70 - 130	1	25
Naphthalene	ND		49.6	62.1		ug/Kg		125	40 - 150	8	40
n-Butylbenzene	ND		49.6	53.9		ug/Kg		109	55 - 145	1	30
N-Propylbenzene	ND		49.6	55.0		ug/Kg		111	65 - 140	1	25
o-Xylene	ND		49.6	50.0		ug/Kg		101	65 - 130	0	25
p-Isopropyltoluene	ND		49.6	53.6		ug/Kg		108	60 - 140	2	25
sec-Butylbenzene	ND		49.6	53.7		ug/Kg		108	60 - 135	1	25
Styrene	ND		49.6	54.4		ug/Kg		110	70 - 140	1	25
Tert-amyl-methyl ether (TAME)	ND		49.6	59.6		ug/Kg		120	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		496	501		ug/Kg		101	65 - 145	4	30
tert-Butylbenzene	ND		49.6	56.0		ug/Kg		113	60 - 140	2	25
1,1,1,2-Tetrachloroethane	ND		49.6	50.6		ug/Kg		102	65 - 145	2	20
1,1,2,2-Tetrachloroethane	ND		49.6	57.1		ug/Kg		115	40 - 160	5	30
Tetrachloroethene	ND		49.6	52.2		ug/Kg		105	65 - 135	0	25
Toluene	ND		49.6	52.1		ug/Kg		105	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.6	55.5		ug/Kg		112	70 - 135	2	25
trans-1,3-Dichloropropene	ND		49.6	53.2		ug/Kg		107	60 - 145	0	25
1,2,3-Trichlorobenzene	ND		49.6	59.1		ug/Kg		119	45 - 145	7	30
1,2,4-Trichlorobenzene	ND		49.6	58.7		ug/Kg		118	50 - 140	3	30
1,1,1-Trichloroethane	ND		49.6	52.0		ug/Kg		105	65 - 145	5	20
1,1,2-Trichloroethane	ND		49.6	54.5		ug/Kg		110	65 - 140	2	30
Trichloroethene	ND		49.6	53.7		ug/Kg		108	65 - 140	0	25
Trichlorofluoromethane	ND		49.6	52.0		ug/Kg		105	55 - 155	0	25
1,2,3-Trichloropropane	ND		49.6	54.1		ug/Kg		109	50 - 150	0	30
1,2,4-Trimethylbenzene	ND		49.6	54.9		ug/Kg		111	65 - 140	1	25
1,3,5-Trimethylbenzene	ND		49.6	55.1		ug/Kg		111	65 - 135	2	25
Vinyl chloride	ND		49.6	43.3		ug/Kg		87	55 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 120*
Toluene-d8 (Surr)	*106*		*79 - 123*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-320145/9
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/25/16 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*65 - 140*		*03/25/16 12:36*	*1*

Lab Sample ID: LCS 440-320145/7
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1610		ug/Kg		100	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*72*		*65 - 140*

Lab Sample ID: LCSD 440-320145/8
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1530		ug/Kg		96	70 - 135	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*69*		*65 - 140*

Lab Sample ID: 440-142363-A-3 MS
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1580	1350		ug/Kg		85	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*73*		*65 - 140*

Lab Sample ID: 440-142363-A-3 MSD
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1050		ug/Kg		66	60 - 140	25	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*70*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 440-320146/5
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/25/16 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*65 - 140*		*03/25/16 10:37*	*1*

Lab Sample ID: LCS 440-320146/3
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1370		ug/Kg		86	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*65 - 140*

Lab Sample ID: LCSD 440-320146/4
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1350		ug/Kg		84	70 - 135	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*65 - 140*

Lab Sample ID: MB 440-320379/35
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/27/16 00:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*65 - 140*		*03/27/16 00:26*	*1*

Lab Sample ID: LCS 440-320379/33
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1660		ug/Kg		104	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-320379/34
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1660		ug/Kg		104	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*65 - 140*

Lab Sample ID: 440-142507-B-1 MS
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1580	1400		ug/Kg		89	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*65 - 140*

Lab Sample ID: 440-142507-B-1 MSD
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1440		ug/Kg		91	60 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*65 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-319096/1-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319096

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/21/16 16:02	03/22/16 13:11	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/21/16 16:02	03/22/16 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*61*		*40 - 140*	*03/21/16 16:02*	*03/22/16 13:11*	*1*

Lab Sample ID: LCS 440-319096/2-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319096

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10 - C28)			66.7	46.6		mg/Kg		70	45 - 115		

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-319096/2-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319096

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*62*		*40 - 140*

Lab Sample ID: 440-142089-M-1-A MS
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 319096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	ND		141	105		mg/Kg		70	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*63*		*40 - 140*

Lab Sample ID: 440-142089-M-1-B MSD
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 319096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	ND		137	114		mg/Kg		79	40 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*70*		*40 - 140*

Lab Sample ID: MB 440-319403/1-A
Matrix: Solid
Analysis Batch: 319692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319403

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/22/16 16:57	03/23/16 15:23	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/22/16 16:57	03/23/16 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*40 - 140*	*03/22/16 16:57*	*03/23/16 15:23*	*1*

Lab Sample ID: LCS 440-319403/2-A
Matrix: Solid
Analysis Batch: 319692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319403

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)			66.7	45.6		mg/Kg		68	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*77*		*40 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-142047-A-13-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319673 — **Prep Batch: 319403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	20		66.4	52.1		mg/Kg		49	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*88*		*40 - 140*

Lab Sample ID: 440-142047-A-13-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319673 — **Prep Batch: 319403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	20		66.1	55.7		mg/Kg		55	40 - 120	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*85*		*40 - 140*

Lab Sample ID: MB 440-319463/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/22/16 21:27	03/24/16 08:43	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/22/16 21:27	03/24/16 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*03/22/16 21:27*	*03/24/16 08:43*	*1*

Lab Sample ID: LCS 440-319463/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)			66.7	51.2		mg/Kg		77	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*87*		*40 - 140*

Lab Sample ID: 440-142056-14 MS — **Client Sample ID: SB-6-11**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	27		141	131		mg/Kg		73	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*85*		*40 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-142056-14 MSD — **Client Sample ID: SB-6-11**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	27		141	137		mg/Kg		78	40 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*87*		*40 - 140*

Lab Sample ID: 440-142056-H-14-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	27		141	131		mg/Kg		73	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*85*		*40 - 140*

Lab Sample ID: 440-142056-H-14-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 319836 — **Prep Batch: 319463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	27		141	137		mg/Kg		78	40 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*87*		*40 - 140*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-318959/1-A ^5 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 320099 — **Prep Batch: 318959**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Barium	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Beryllium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Chromium	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Cobalt	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Copper	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Lead	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Nickel	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Vanadium	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-318959/1-A ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 318959

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5

Lab Sample ID: LCS 440-318959/2-A ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	50.0		mg/Kg		101	80 - 120
Arsenic	49.8	46.5		mg/Kg		93	80 - 120
Barium	49.8	50.2		mg/Kg		101	80 - 120
Beryllium	49.8	47.8		mg/Kg		96	80 - 120
Cadmium	49.8	48.0		mg/Kg		97	80 - 120
Chromium	49.8	53.2		mg/Kg		107	80 - 120
Cobalt	49.8	53.1		mg/Kg		107	80 - 120
Copper	49.8	49.7		mg/Kg		100	80 - 120
Lead	49.8	49.2		mg/Kg		99	80 - 120
Molybdenum	49.8	49.8		mg/Kg		100	80 - 120
Nickel	49.8	51.5		mg/Kg		104	80 - 120
Selenium	49.8	43.4		mg/Kg		87	80 - 120
Silver	24.9	25.4		mg/Kg		102	80 - 120
Thallium	49.8	49.1		mg/Kg		99	80 - 120
Vanadium	49.8	49.6		mg/Kg		100	80 - 120
Zinc	49.8	46.4		mg/Kg		93	80 - 120

Lab Sample ID: 440-142056-1 MS
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: SB-1-7
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.8	34.7	F1	mg/Kg		70	75 - 125
Arsenic	ND		49.8	48.4		mg/Kg		97	75 - 125
Barium	41		49.8	100		mg/Kg		120	75 - 125
Beryllium	ND		49.8	49.2		mg/Kg		98	75 - 125
Cadmium	ND		49.8	48.4		mg/Kg		97	75 - 125
Chromium	11		49.8	66.6		mg/Kg		112	75 - 125
Cobalt	3.1		49.8	56.6		mg/Kg		107	75 - 125
Copper	4.8		49.8	58.5		mg/Kg		108	75 - 125
Lead	2.3		49.8	52.3		mg/Kg		100	75 - 125
Molybdenum	ND		49.8	49.2		mg/Kg		99	75 - 125
Nickel	5.5		49.8	59.5		mg/Kg		109	75 - 125
Selenium	ND		49.8	43.5		mg/Kg		87	75 - 125
Silver	ND		24.9	25.5		mg/Kg		102	75 - 125
Thallium	ND		49.8	48.7		mg/Kg		98	75 - 125
Vanadium	17		49.8	72.1		mg/Kg		110	75 - 125
Zinc	15		49.8	63.9		mg/Kg		98	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142056-1 MSD
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: SB-1-7
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.3	33.6	F1	mg/Kg		68	75 - 125	3	20
Arsenic	ND		49.3	46.2		mg/Kg		94	75 - 125	5	20
Barium	41		49.3	92.3		mg/Kg		105	75 - 125	8	20
Beryllium	ND		49.3	47.4		mg/Kg		96	75 - 125	4	20
Cadmium	ND		49.3	46.0		mg/Kg		93	75 - 125	5	20
Chromium	11		49.3	63.0		mg/Kg		106	75 - 125	6	20
Cobalt	3.1		49.3	54.2		mg/Kg		104	75 - 125	4	20
Copper	4.8		49.3	55.2		mg/Kg		102	75 - 125	6	20
Lead	2.3		49.3	49.9		mg/Kg		97	75 - 125	5	20
Molybdenum	ND		49.3	47.5		mg/Kg		96	75 - 125	4	20
Nickel	5.5		49.3	56.6		mg/Kg		104	75 - 125	5	20
Selenium	ND		49.3	41.6		mg/Kg		85	75 - 125	4	20
Silver	ND		24.6	24.4		mg/Kg		99	75 - 125	4	20
Thallium	ND		49.3	46.9		mg/Kg		95	75 - 125	4	20
Vanadium	17		49.3	67.5		mg/Kg		102	75 - 125	7	20
Zinc	15		49.3	59.9		mg/Kg		91	75 - 125	6	20

Lab Sample ID: 440-142056-G-1-B MS ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.8	34.7	F1	mg/Kg		70	75 - 125
Arsenic	ND		49.8	48.4		mg/Kg		97	75 - 125
Barium	41		49.8	100		mg/Kg		120	75 - 125
Beryllium	ND		49.8	49.2		mg/Kg		98	75 - 125
Cadmium	ND		49.8	48.4		mg/Kg		97	75 - 125
Chromium	11		49.8	66.6		mg/Kg		112	75 - 125
Cobalt	3.1		49.8	56.6		mg/Kg		107	75 - 125
Copper	4.8		49.8	58.5		mg/Kg		108	75 - 125
Lead	2.3		49.8	52.3		mg/Kg		100	75 - 125
Molybdenum	ND		49.8	49.2		mg/Kg		99	75 - 125
Nickel	5.5		49.8	59.5		mg/Kg		109	75 - 125
Selenium	ND		49.8	43.5		mg/Kg		87	75 - 125
Silver	ND		24.9	25.5		mg/Kg		102	75 - 125
Thallium	ND		49.8	48.7		mg/Kg		98	75 - 125
Vanadium	17		49.8	72.1		mg/Kg		110	75 - 125
Zinc	15		49.8	63.9		mg/Kg		98	75 - 125

Lab Sample ID: 440-142056-G-1-C MSD ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.3	33.6	F1	mg/Kg		68	75 - 125	3	20
Arsenic	ND		49.3	46.2		mg/Kg		94	75 - 125	5	20
Barium	41		49.3	92.3		mg/Kg		105	75 - 125	8	20
Beryllium	ND		49.3	47.4		mg/Kg		96	75 - 125	4	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142056-G-1-C MSD ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		49.3	46.0		mg/Kg		93	75 - 125	5	20
Chromium	11		49.3	63.0		mg/Kg		106	75 - 125	6	20
Cobalt	3.1		49.3	54.2		mg/Kg		104	75 - 125	4	20
Copper	4.8		49.3	55.2		mg/Kg		102	75 - 125	6	20
Lead	2.3		49.3	49.9		mg/Kg		97	75 - 125	5	20
Molybdenum	ND		49.3	47.5		mg/Kg		96	75 - 125	4	20
Nickel	5.5		49.3	56.6		mg/Kg		104	75 - 125	5	20
Selenium	ND		49.3	41.6		mg/Kg		85	75 - 125	4	20
Silver	ND		24.6	24.4		mg/Kg		99	75 - 125	4	20
Thallium	ND		49.3	46.9		mg/Kg		95	75 - 125	4	20
Vanadium	17		49.3	67.5		mg/Kg		102	75 - 125	7	20
Zinc	15		49.3	59.9		mg/Kg		91	75 - 125	6	20

Lab Sample ID: MB 440-319531/1-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319531

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Arsenic	ND		3.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Barium	ND		1.5		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Beryllium	ND		0.49		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Cadmium	ND		0.49		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Chromium	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Cobalt	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Copper	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Lead	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Molybdenum	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Nickel	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Selenium	ND		3.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Silver	ND		1.5		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Thallium	ND		9.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Vanadium	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Zinc	ND		4.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5

Lab Sample ID: LCS 440-319531/2-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	48.3		mg/Kg		97	80 - 120
Arsenic	49.8	44.1		mg/Kg		89	80 - 120
Barium	49.8	50.2		mg/Kg		101	80 - 120
Beryllium	49.8	45.8		mg/Kg		92	80 - 120
Cadmium	49.8	46.0		mg/Kg		93	80 - 120
Chromium	49.8	51.0		mg/Kg		103	80 - 120
Cobalt	49.8	50.0		mg/Kg		101	80 - 120
Copper	49.8	45.5		mg/Kg		91	80 - 120
Lead	49.8	47.5		mg/Kg		95	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 440-319531/2-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Molybdenum			49.8	47.4		mg/Kg		95	80 - 120		
Nickel			49.8	49.1		mg/Kg		99	80 - 120		
Selenium			49.8	40.1		mg/Kg		81	80 - 120		
Silver			24.9	20.0		mg/Kg		80	80 - 120		
Thallium			49.8	46.6		mg/Kg		94	80 - 120		
Vanadium			49.8	46.4		mg/Kg		93	80 - 120		
Zinc			49.8	44.1		mg/Kg		89	80 - 120		

Lab Sample ID: 440-142062-2 MS
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: SB-4-13
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony	ND	F1	49.3	27.8	F1	mg/Kg		56	75 - 125		
Arsenic	ND		49.3	47.0		mg/Kg		90	75 - 125		
Barium	49		49.3	99.2		mg/Kg		102	75 - 125		
Beryllium	0.50		49.3	45.7		mg/Kg		92	75 - 125		
Cadmium	ND		49.3	45.0		mg/Kg		91	75 - 125		
Chromium	15		49.3	66.0		mg/Kg		104	75 - 125		
Cobalt	6.5		49.3	51.6		mg/Kg		92	75 - 125		
Copper	8.1		49.3	57.1		mg/Kg		99	75 - 125		
Lead	3.6		49.3	49.0		mg/Kg		92	75 - 125		
Molybdenum	ND		49.3	45.1		mg/Kg		92	75 - 125		
Nickel	8.5		49.3	57.5		mg/Kg		99	75 - 125		
Selenium	ND		49.3	40.5		mg/Kg		82	75 - 125		
Silver	ND	F1 F2	24.6	23.5		mg/Kg		95	75 - 125		
Thallium	ND		49.3	44.2		mg/Kg		90	75 - 125		
Vanadium	22		49.3	71.5		mg/Kg		101	75 - 125		
Zinc	22		49.3	66.6		mg/Kg		91	75 - 125		

Lab Sample ID: 440-142062-2 MSD
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: SB-4-13
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.5	27.3	F1	mg/Kg		55	75 - 125	2	20
Arsenic	ND		49.5	46.4		mg/Kg		88	75 - 125	1	20
Barium	49		49.5	98.9		mg/Kg		101	75 - 125	0	20
Beryllium	0.50		49.5	46.3		mg/Kg		92	75 - 125	1	20
Cadmium	ND		49.5	45.3		mg/Kg		91	75 - 125	1	20
Chromium	15		49.5	68.0		mg/Kg		107	75 - 125	3	20
Cobalt	6.5		49.5	51.6		mg/Kg		91	75 - 125	0	20
Copper	8.1		49.5	57.5		mg/Kg		100	75 - 125	1	20
Lead	3.6		49.5	49.0		mg/Kg		92	75 - 125	0	20
Molybdenum	ND		49.5	45.4		mg/Kg		92	75 - 125	1	20
Nickel	8.5		49.5	57.5		mg/Kg		99	75 - 125	0	20
Selenium	ND		49.5	40.5		mg/Kg		82	75 - 125	0	20
Silver	ND	F1 F2	24.8	17.3	F1 F2	mg/Kg		70	75 - 125	31	20
Thallium	ND		49.5	45.0		mg/Kg		91	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142062-2 MSD — **Client Sample ID: SB-4-13**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 321081 — **Prep Batch: 319531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	22		49.5	72.5		mg/Kg		103	75 - 125	1	20
Zinc	22		49.5	67.4		mg/Kg		92	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-320203/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 320686 — **Prep Batch: 320203**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:18	1

Lab Sample ID: LCS 440-320203/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 320686 — **Prep Batch: 320203**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.800	0.719		mg/Kg		90	80 - 120		

Lab Sample ID: 440-140815-A-1-H MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 320686 — **Prep Batch: 320203**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.034		0.800	0.693		mg/Kg		82	70 - 130		

Lab Sample ID: 440-140815-A-1-I MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 320686 — **Prep Batch: 320203**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.034		0.800	0.722		mg/Kg		86	70 - 130	4	20

GC/MS VOA

Prep Batch: 318793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	5035	
440-142056-2	SB-1-10	Total/NA	Solid	5035	
440-142056-4	SB-2-8	Total/NA	Solid	5035	
440-142056-7	SB-3-8	Total/NA	Solid	5035	
440-142056-8	SB-3-10	Total/NA	Solid	5035	
440-142056-10	SB-5-7.5	Total/NA	Solid	5035	
440-142056-11	SB-5-10	Total/NA	Solid	5035	
440-142056-13	SB-6-7	Total/NA	Solid	5035	
440-142056-14	SB-6-11	Total/NA	Solid	5035	

Prep Batch: 319021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	5035	
440-142062-2	SB-4-13	Total/NA	Solid	5035	

Analysis Batch: 319492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	8260B	319021
440-142111-A-4 MS	Matrix Spike	Total/NA	Solid	8260B	
440-142111-A-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
LCS 440-319492/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-319492/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 319521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8260B	318793
440-142056-2	SB-1-10	Total/NA	Solid	8260B	318793
440-142056-4	SB-2-8	Total/NA	Solid	8260B	318793
440-142056-7	SB-3-8	Total/NA	Solid	8260B	318793
440-142056-8	SB-3-10	Total/NA	Solid	8260B	318793
440-142056-10	SB-5-7.5	Total/NA	Solid	8260B	318793
440-142056-11	SB-5-10	Total/NA	Solid	8260B	318793
440-142056-13	SB-6-7	Total/NA	Solid	8260B	318793
440-142056-14	SB-6-11	Total/NA	Solid	8260B	318793
LCS 440-319521/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-319521/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 440-319521/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 319787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8260B	
440-142056-5 MS	SB-2-10	Total/NA	Solid	8260B	
440-142056-5 MSD	SB-2-10	Total/NA	Solid	8260B	
440-142056-H-5 MS	Matrix Spike	Total/NA	Solid	8260B	
440-142056-H-5 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
440-142062-1	SB-4-11	Total/NA	Solid	8260B	319021
LCS 440-319787/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-319787/4	Method Blank	Total/NA	Solid	8260B	

GC VOA

Prep Batch: 318793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	5035	
440-142056-2	SB-1-10	Total/NA	Solid	5035	
440-142056-4	SB-2-8	Total/NA	Solid	5035	
440-142056-7	SB-3-8	Total/NA	Solid	5035	
440-142056-10	SB-5-7.5	Total/NA	Solid	5035	
440-142056-11	SB-5-10	Total/NA	Solid	5035	
440-142056-13	SB-6-7	Total/NA	Solid	5035	
440-142056-14	SB-6-11	Total/NA	Solid	5035	

Analysis Batch: 320145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8015B	
440-142056-8	SB-3-10	Total/NA	Solid	8015B	
440-142363-A-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-142363-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-320145/7	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320145/8	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320145/9	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 320146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8015B	318793
440-142056-2	SB-1-10	Total/NA	Solid	8015B	318793
440-142056-4	SB-2-8	Total/NA	Solid	8015B	318793
440-142056-7	SB-3-8	Total/NA	Solid	8015B	318793
440-142056-10	SB-5-7.5	Total/NA	Solid	8015B	318793
440-142056-11	SB-5-10	Total/NA	Solid	8015B	318793
440-142056-13	SB-6-7	Total/NA	Solid	8015B	318793
440-142056-14	SB-6-11	Total/NA	Solid	8015B	318793
LCS 440-320146/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320146/4	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320146/5	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 320379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	8015B	
440-142062-2	SB-4-13	Total/NA	Solid	8015B	
440-142507-B-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-142507-B-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-320379/33	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320379/34	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320379/35	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 319096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	3546	
440-142089-M-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142089-M-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 319096 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-319096/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319096/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 319243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	8015B	319096
440-142089-M-1-A MS	Matrix Spike	Total/NA	Solid	8015B	319096
440-142089-M-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319096
LCS 440-319096/2-A	Lab Control Sample	Total/NA	Solid	8015B	319096
MB 440-319096/1-A	Method Blank	Total/NA	Solid	8015B	319096

Prep Batch: 319403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142047-A-13-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142047-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-142056-1	SB-1-7	Total/NA	Solid	3546	
440-142056-2	SB-1-10	Total/NA	Solid	3546	
440-142056-4	SB-2-8	Total/NA	Solid	3546	
440-142056-5	SB-2-10	Total/NA	Solid	3546	
440-142056-7	SB-3-8	Total/NA	Solid	3546	
440-142056-8	SB-3-10	Total/NA	Solid	3546	
440-142056-10	SB-5-7.5	Total/NA	Solid	3546	
440-142056-11	SB-5-10	Total/NA	Solid	3546	
440-142056-13	SB-6-7	Total/NA	Solid	3546	
LCS 440-319403/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319403/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 319463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-14	SB-6-11	Total/NA	Solid	3546	
440-142056-14 MS	SB-6-11	Total/NA	Solid	3546	
440-142056-14 MSD	SB-6-11	Total/NA	Solid	3546	
440-142056-H-14-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142056-H-14-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-142062-2	SB-4-13	Total/NA	Solid	3546	
LCS 440-319463/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319463/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 319565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8015B	319403
440-142056-4	SB-2-8	Total/NA	Solid	8015B	319403
440-142056-7	SB-3-8	Total/NA	Solid	8015B	319403
440-142056-10	SB-5-7.5	Total/NA	Solid	8015B	319403
440-142056-13	SB-6-7	Total/NA	Solid	8015B	319403

Analysis Batch: 319673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142047-A-13-A MS	Matrix Spike	Total/NA	Solid	8015B	319403
440-142047-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319403
440-142056-2	SB-1-10	Total/NA	Solid	8015B	319403

GC Semi VOA (Continued)

Analysis Batch: 319673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8015B	319403
440-142056-8	SB-3-10	Total/NA	Solid	8015B	319403

Analysis Batch: 319692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-319403/2-A	Lab Control Sample	Total/NA	Solid	8015B	319403
MB 440-319403/1-A	Method Blank	Total/NA	Solid	8015B	319403

Analysis Batch: 319836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-11	SB-5-10	Total/NA	Solid	8015B	319403
440-142056-14	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-14 MS	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-14 MSD	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-H-14-A MS	Matrix Spike	Total/NA	Solid	8015B	319463
440-142056-H-14-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319463
440-142062-2	SB-4-13	Total/NA	Solid	8015B	319463
LCS 440-319463/2-A	Lab Control Sample	Total/NA	Solid	8015B	319463
MB 440-319463/1-A	Method Blank	Total/NA	Solid	8015B	319463

Metals

Prep Batch: 318959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	3050B	
440-142056-1 MS	SB-1-7	Total/NA	Solid	3050B	
440-142056-1 MSD	SB-1-7	Total/NA	Solid	3050B	
440-142056-2	SB-1-10	Total/NA	Solid	3050B	
440-142056-4	SB-2-8	Total/NA	Solid	3050B	
440-142056-5	SB-2-10	Total/NA	Solid	3050B	
440-142056-7	SB-3-8	Total/NA	Solid	3050B	
440-142056-8	SB-3-10	Total/NA	Solid	3050B	
440-142056-10	SB-5-7.5	Total/NA	Solid	3050B	
440-142056-11	SB-5-10	Total/NA	Solid	3050B	
440-142056-13	SB-6-7	Total/NA	Solid	3050B	
440-142056-14	SB-6-11	Total/NA	Solid	3050B	
440-142056-G-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-142056-G-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	
440-142062-1	SB-4-11	Total/NA	Solid	3050B	
440-142062-4	IDW-Drum-031916	Total/NA	Solid	3050B	
LCS 440-318959/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-318959/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 319531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	3050B	
440-142062-2 MS	SB-4-13	Total/NA	Solid	3050B	
440-142062-2 MSD	SB-4-13	Total/NA	Solid	3050B	
LCS 440-319531/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-319531/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Analysis Batch: 320099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-1 MS	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-1 MSD	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-2	SB-1-10	Total/NA	Solid	6010B	318959
440-142056-4	SB-2-8	Total/NA	Solid	6010B	318959
440-142056-5	SB-2-10	Total/NA	Solid	6010B	318959
440-142056-7	SB-3-8	Total/NA	Solid	6010B	318959
440-142056-8	SB-3-10	Total/NA	Solid	6010B	318959
440-142056-10	SB-5-7.5	Total/NA	Solid	6010B	318959
440-142056-11	SB-5-10	Total/NA	Solid	6010B	318959
440-142056-13	SB-6-7	Total/NA	Solid	6010B	318959
440-142056-14	SB-6-11	Total/NA	Solid	6010B	318959
440-142056-G-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	318959
440-142056-G-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	318959
440-142062-1	SB-4-11	Total/NA	Solid	6010B	318959
440-142062-4	IDW-Drum-031916	Total/NA	Solid	6010B	318959
LCS 440-318959/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	318959
MB 440-318959/1-A ^5	Method Blank	Total/NA	Solid	6010B	318959

Prep Batch: 320203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-140815-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	
440-140815-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
440-142056-1	SB-1-7	Total/NA	Solid	7471A	
440-142056-2	SB-1-10	Total/NA	Solid	7471A	
440-142056-4	SB-2-8	Total/NA	Solid	7471A	
440-142056-5	SB-2-10	Total/NA	Solid	7471A	
440-142056-7	SB-3-8	Total/NA	Solid	7471A	
440-142056-8	SB-3-10	Total/NA	Solid	7471A	
440-142056-10	SB-5-7.5	Total/NA	Solid	7471A	
440-142056-11	SB-5-10	Total/NA	Solid	7471A	
440-142056-13	SB-6-7	Total/NA	Solid	7471A	
440-142056-14	SB-6-11	Total/NA	Solid	7471A	
440-142062-1	SB-4-11	Total/NA	Solid	7471A	
440-142062-2	SB-4-13	Total/NA	Solid	7471A	
440-142062-4	IDW-Drum-031916	Total/NA	Solid	7471A	
LCS 440-320203/2-B	Lab Control Sample	Total/NA	Solid	7471A	
MB 440-320203/1-B	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 320686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-140815-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	320203
440-140815-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	320203
440-142056-1	SB-1-7	Total/NA	Solid	7471A	320203
440-142056-2	SB-1-10	Total/NA	Solid	7471A	320203
440-142056-4	SB-2-8	Total/NA	Solid	7471A	320203
440-142056-5	SB-2-10	Total/NA	Solid	7471A	320203
440-142056-7	SB-3-8	Total/NA	Solid	7471A	320203
440-142056-8	SB-3-10	Total/NA	Solid	7471A	320203
440-142056-10	SB-5-7.5	Total/NA	Solid	7471A	320203
440-142056-11	SB-5-10	Total/NA	Solid	7471A	320203

Metals (Continued)

Analysis Batch: 320686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-13	SB-6-7	Total/NA	Solid	7471A	320203
440-142056-14	SB-6-11	Total/NA	Solid	7471A	320203
440-142062-1	SB-4-11	Total/NA	Solid	7471A	320203
440-142062-2	SB-4-13	Total/NA	Solid	7471A	320203
440-142062-4	IDW-Drum-031916	Total/NA	Solid	7471A	320203
LCS 440-320203/2-B	Lab Control Sample	Total/NA	Solid	7471A	320203
MB 440-320203/1-B	Method Blank	Total/NA	Solid	7471A	320203

Analysis Batch: 321081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	6010B	319531
440-142062-2 MS	SB-4-13	Total/NA	Solid	6010B	319531
440-142062-2 MSD	SB-4-13	Total/NA	Solid	6010B	319531
LCS 440-319531/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	319531
MB 440-319531/1-A ^5	Method Blank	Total/NA	Solid	6010B	319531

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Ramboll Environ US Corporation
TestAmerica Job ID: 440-142056-1
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-16
California	LA Cty Sanitation Districts	9	10256	01-31-17 *
California	State Program	9	CA ELAP 2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-17
Hawaii	State Program	9	N/A	01-29-17
Kansas	NELAP Secondary AB	7	E-10420	07-31-16
Nevada	State Program	9	CA015312007A	07-31-16
New Mexico	State Program	6	N/A	01-29-17
Northern Mariana Islands	State Program	9	MP0002	01-29-16 *
Oregon	NELAP	10	4005	01-29-17
USDA	Federal		P330-09-00080	07-08-18
Washington	State Program	10	900	09-03-16

* Certification renewal pending - certification considered valid.

RAMBOLL ENVIRON

CHAIN-OF-CUSTODY FORM № 11760

UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: MSA# WO# WO-2016-317

PROJECT NAME/FACILITY ID 700 N. SEPULVEDA FIELD PERSON P. Holland-Stergar

PROJECT LOCATION EL SEGUNDO DATE 03/19/16 PROJECT MANAGER R. Wale

PROJECT NUMBER 0416856Q LABORATORY Test America

SAMPLER P. Holland-Stergar YEAR: 2016

SIGNATURE

SAMPLE I.D. NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (FT)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED: TPH full range by 8015mod	VOCs by 8260B	Cal Manual by 17 metals	HOLD *	COMMENTS
SB-1-7	3/19/16	1030	7	N/A	S	5	U	NO	✓	✓	✓		* HOLD:
SB-1-10		1034	10			5			✓	✓	✓	✓	HOLD THESE
SB-1-15		1042	15			5			✓	✓	✓	✓	SAMPLES - DO
SB-2-8		1114	8			5			✓	✓	✓		NOT ANALYZE -
SB-2-10		1120	10			5			✓	✓	✓	✓	UNTIL CONFIRMATION
SB-2-15		1125	15			5			✓	✓	✓	✓	FROM R. WALE
SB-3-8		1217	8			4			✓	✓	✓		OF RAMBOLL
SB-3-10		1218	10			4			✓	✓	✓	✓	ENVIRON
SB-3-15		1220	15			4			✓	✓	✓	✓	
~~SB-4~~									✓	✓	✓		
~~SB-4~~ (PHS)									✓	✓	✓		
~~SB-4~~									✓	✓	✓		
SB-5-7.5	↓	0923	7.5	↓	↓	5	↓	↓	✓	✓	✓		
TOTAL						47							

440-142056 Chain of Custody

H = HCL: N = HNO3: S = H2SO4: U = UNKNOWN: NO = NONE: O = OTHER: V = VARIOUS

	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
RELINQUISHED BY P. Holland-Stergar	1256 3-19-16	Amber Englert TAS	3/19/16 12:56
RELINQUISHED BY	1330 3/19/16	TAS	13:50 3/19/16
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE

TURNAROUND TIME (CIRCLE ONE): SAME DAY, 24 HOURS, 48 HOURS, 72 HOURS, 5 DAYS, NORMAL

SAMPLE INTEGRITY INTACT Y N TEMP 1.4/1.9 IR 9°C

IF SEALED, SEAL INTEGRITY INTACT Y N

WBU Office Locations:

- ☒ 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 (949) 261-5151 | (949) 261-6202 Fax
- ☐ 707 Wilshire Boulevard, Suite 4950, Los Angeles, CA 90017 (213) 943-6300 | (213) 943-6301 Fax
- ☐ 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 (602) 734-7700 | (602) 734-7701 Fax
- ☐ 501 West Broadway, Suite 800, San Diego, CA 92101 (619) 400-4934

RAMBOLL ENVIRON

CHAIN-OF-CUSTODY FORM № 11761

UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____ MSA# _____ WO# WO-2016-317

PROJECT NAME/FACILITY ID 700 N. SEPULVEDA

PROJECT LOCATION EL SEGUNDO DATE 03/19/16

PROJECT NUMBER 0416B560Q

FIELD PERSON P. Holland-Stegar

PROJECT MANAGER R. Wale

LABORATORY Test America

SAMPLER P. Holland-Stegar YEAR: 2016

SIGNATURE Pat Holl

SAMPLE I.D. NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (FT)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED: TPH by 8015 Mod. Full Range	VOCs by 8260B	Cal Method 17-Methane by 6015B/TCEQ	HOLD *	COMMENTS
SB-5-10	3/19/16	0935	10	N/A	S	5	U	NO	✓	✓	✓	✓	* HOLD:
SB-5-15		0950	15			5			✓	✓	✓	✓	DO NOT ANALYZE
SB-6-7		0822	7			5			✓	✓	✓		THESE SAMPLES
SB-6-11		0835	11			5			✓	✓	✓	✓	UNTIL CONFIRMATION
SB-6-15		0850	15			5			✓	✓	✓	✓	FROM R. WALE
~~IDW~~ (PHS)											✓		OF RAMBOLL
													ENVIRON
		(PHS)											
TOTAL						25							

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER; V = VARIOUS

RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
P. Holland-Stegar Pat Holl	1256 3/19/16	JAVIER GUERRA PAI	3/19/16 12:56
JAVIER GUERRA PAI	13:50 3-19-16	TAI	13:50 3/19/16

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY INTACT Y N TEMP 14/17 IR 96

IF SEALED, SEAL INTEGRITY INTACT Y N

WBU Office Locations:

- [x] 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 (949) 261-5151 | (949) 261-6202 Fax
- [ ] 707 Wilshire Boulevard, Suite 4950, Los Angeles, CA 90017 (213) 943-6300 | (213) 943-6301 Fax
- [ ] 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 (602) 734-7700 | (602) 734-7701 Fax
- [ ] 501 West Broadway, Suite 800, San Diego, CA 92101 (619) 400-4934

Mata, Patty

From: Patrick Holland-Stergar [PHollandstergar@ramboll.com]
Sent: Tuesday, March 22, 2016 4:25 PM
To: Mata, Patty
Subject: Samples taken off hold for 700 N. Sepulveda Blvd. Project, El Segundo

Hi Patty,

For the 700 N. Sepulveda, El Segundo, project, please take the second shallowest sample from each boring location off of hold and run for all analyses listed. Thus, please take SB-1-10; SB-2-10; SB-3-10; SB-4-13; SB-5-10; and SB-6-11 off of hold and run for all analyses listed.

Also, please do not charge us for the disposable plastic terracore samplers I received with the rest of the sampling supplies, I did not order these items and understand that they were included in my supplies deliver by mistake.

Thanks,

Patrick Holland-Stergar

Associate

D +1 949 798 3688
M +1 406 533 8207
phollandstergar@ramboll.com

Ramboll Environ
18100 Von Karman Avenue
Suite 600
Irvine, CA 92612
USA
www.ramboll-environ.com

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Login Sample Receipt Checklist

Client: Ramboll Environ US Corporation

Job Number: 440-142056-1

Login Number: 142056
List Number: 1
Creator: Chavez, Yonny 1

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX G

OTHER SUPPORTING DOCUMENTATION

Property Summary Report

700 Pacific Coast Hwy

El Segundo, CA 90245 - El Segundo Ind Submarket

BUILDING

Type:	**Class C Industrial**
Subtype:	**Manufacturing**
Tenancy:	**Single**
Year Built:	**1957**
RBA:	**78,736 SF**
Floors:	**2**
Typical Floor:	**51,663 SF**
Ceiling Ht:	**20'**
Construction:	**Masonry**

LAND

Land Area:	**1.99 AC**
Zoning:	**C3-M1**
Parcel	**4138-006-005**

EXPENSES PER SF

Taxes:	**$1.14 (2019)**

LOADING

Docks:	**None**	Drive Ins:	**1 tot.**
Cross Docks:	**None**	Rail Spots:	**None**

LEASING

Available Spaces: No Spaces Currently Available

SALE

Last Sale: Portfolio of 2 Properties in El Segundo, CA Sold on Jul 18, 2019 for $50,800,000 ($253.72/SF)

TRANSPORTATION

Parking:	35 free Surface Spaces are available; Ratio of 0.44/1,000 SF
Transit/Subway:	15 minute walk to Mariposa/Nash Station (Green Line)
Airport:	7 minute drive to Los Angeles International Airport

KEY TENANTS

Boeing	78,736 SF

PROPERTY CONTACTS

True Owner:	**Vella Group**	Recorded Owner:	**L&R ZAV 650 Sepulveda LLC**
Prior True Owner:	**Kathy Lynn**		

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Property Summary Report

700 Pacific Coast Hwy

El Segundo, CA 90245 - El Segundo Ind Submarket

★★☆☆☆

MARKET CONDITIONS

Vacancy Rates	Current	YOY
Current Building	0.0%	0.0%
Submarket 1-3 Star	2.0%	-1.5%
Market Overall	3.2%	1.0%

Asking Rents Per SF	Current	YOY
Submarket 1-3 Star	$21.99	3.0%
Market Overall	$13.54	3.6%

Submarket Leasing Activity	Current	YOY
12 Mo. Leased SF	236,791	42.9%
Months On Market	2.7	0.7 mo

Submarket Sales Activity	Current	YOY
12 Mo. Sales Volume (Mil.)	$160.7	86.4%
12 Mo. Price Per SF	$273	7.7%

Property Summary Report

650 Pacific Coast Hwy

El Segundo, CA 90245 - El Segundo Submarket

BUILDING

Type:	**Class C Office**
Tenancy:	**Single**
Year Built:	**1962**
RBA:	**121,484 SF**
Floors:	**8**
Typical Floor:	**17,354 SF**
Construction:	**Steel**

LAND

Land Area:	**3.82 AC**
Zoning:	**C3-M1**

EXPENSES PER SF

Taxes:	**$0.93 (2019)**

PARCEL

4138-006-010, 4138-006-031

AMENITIES

Car Charging Station

LEASING

Available Spaces:	No Spaces Currently Available

SALE

Last Sale:	Portfolio of 2 Properties in El Segundo, CA Sold on Jul 18, 2019 for $50,800,000 ($253.72/SF)

TRANSPORTATION

Parking:	387 free Surface Spaces are available; Ratio of 3.19/1,000 SF
Transit/Subway:	12 minute walk to Mariposa/Nash Station (Green Line)
Airport:	6 minute drive to Los Angeles International Airport
Walk Score ®:	Very Walkable (83)
Transit Score ®:	Minimal Transit (0)

KEY TENANTS

Boeing	321,704 SF

PROPERTY CONTACTS

True Owner:	**Vella Group**	Recorded Owner:	**L&R ZAV 650 Sepulveda LLC**
Prior True Owner:	**Aerospace Center, LLC**		

Property Summary Report

650 Pacific Coast Hwy

El Segundo, CA 90245 - El Segundo Submarket

★★★☆☆

MARKET CONDITIONS

Vacancy Rates	Current	YOY
Current Building	0.0%	0.0%
Submarket 2-4 Star	12.6%	1.3%
Market Overall	10.1%	0.2%

Gross Asking Rents Per SF	Current	YOY
Submarket 2-4 Star	$45.61	3.9%
Market Overall	$41.31	3.4%

Submarket Leasing Activity	Current	YOY
12 Mo. Leased SF	1,097,667	2.2%
Months On Market	11.3	0.3 mo

Submarket Sales Activity	Current	YOY
12 Mo. Sales Volume (Mil.)	$694.7	71.5%
12 Mo. Price Per SF	$474	11.5%

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APPENDIX H

QUALIFICATIONS

Education:

BS Physics, University of California, Irvine
BA Business Administration, University of California, Irvine

Training/Licenses/Registrations:

Radon Measurement Specialist, National Radon Safety Board # NRSB 12SS030
Asbestos Building Inspector (AHERA)

Summary of Professional Experience:

Mr. McNeil has performed due diligence services on all commercial property types including but not limited to, multi-family, multi-tenant, single-tenant, retail shopping centers, industrial facilities, gasoline servicing stations, nursing/assisted living facilities and mobile home parks. He has performed thousands of Phase I Environmental Site Assessments (ESAs), Property Condition Assessments (PCAs), and Physical Needs Assessments (PNAs) in accordance with Fannie Mae, Freddie Mac, and HUD guidelines on multi-family housing, and in accordance with client specific scopes of work for all other commercial property types.

Select project experience for Mr. McNeil includes:

- Freddie Mac scope combination ESA/PCA, 140-unit multi-family, San Bernardino County, California
- Freddie Mac Small Balance Loan report, 66 Unit multi-family, Kern County, California
- Combination ESA/PCA, 585,147 square foot office complex, Orange County, California
- ESA, industrial facility, steel fabrication and machine shop, Los Angeles County, California
- ESA, 171,330 square foot research and development laboratory, Orange County, California
- ESA, 420-unit multifamily property, San Bernardino County, California
- PCA, 125,333 square foot retail shopping center, Los Angeles County, California
- PCA, 78,388 square foot medical office building, Los Angeles County, California
- PCA, 7,320 square foot office building, Honolulu, Hawaii

Mr. McNeil has over 35 years' experience in hazardous materials handling, storage, and transportation; over 30 years' experience in construction, remodeling, and renovation of residential and non-residential use properties; and over 20 years' experience in direct report preparation of commercial due diligence reports.

Victor T. DeTroy – National Client Manager, Due Diligence Services

B.A. - Earth and Environmental Science, Columbia University, Cum Laude

Registered Environmental Property Assessor (REPA) #2061012266170822
OSHA 40-Hour Hazardous Waste Operations
Emergency Response (HAZWOPER) Training
EPA AHERA 24-hour Asbestos Building Inspector

Mr. DeTroy has worked the environmental service industry since 2007 and provides project management to ensure compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Transaction Screens, limited due diligence assessments, Phase II and Phase III subsurface investigations, and quarterly groundwater monitoring events. He has successfully completed assessments on a variety of residential, commercial, and complex industrial sites. Mr. DeTroy is accustomed to all aspects of Due Diligence Property Assessments and the needs and requirements of a variety of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), Freddie Mac, Fannie Mae, HUD, and customized client formats.

Project experience for Mr. DeTroy includes:

- Phase I Environmental Site Assessments
- Telecommunication Phase I Environmental Site Assessments
- Environmental Transaction Screens
- Environmental Transaction Analyses
- Limited Environmental Site Assessments
- Regulatory Database Reviews
- Historical Records Reviews
- Project Coordination and Setup
- Due Diligence Portfolio Management
- The design and implementation of Phase II soil and groundwater investigations and Phase III subsurface characterizations for a variety of suspected contaminants for due diligence and liability purposes

Subsurface investigations have included extensive soil and groundwater testing, identification of petroleum hydrocarbons and volatile organic compounds contamination in near surface soils, and contaminant plume delineation in soil vapor, soil, and groundwater. Mr. DeTroy's management and technical experience has allowed AEI's projects to be performed in a cost effective and timely manner to the satisfaction of AEI's clients and regulatory agencies.

APPENDIX I

LIST OF COMMONLY USED ABBREVIATIONS

UNITS

µg/L	Micrograms per Liter	**pCi/L**	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	**ppb**	Parts per Billion
mg/L	Milligrams per Liter	**ppm**	Parts per Million

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-Containing Material	**NESHAP**	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	**NFA**	No Further Action
AEI	AEI Consultants	**NFRAP**	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	**NLR**	No Longer Reporting
APN	Assessor's Parcel Number	**NOV**	Notice of Violation
AST	Aboveground Storage Tank	**NPL**	National Priorities List
AUL	Activity and Use Limitation	**O&M**	Operations and Maintenance
bgs	Below Ground Surface	**OEC**	Other Environmental Considerations
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes	**OSHA**	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	**PCB**	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	**PCE, PERC**	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	**RCRA**	Resource Conservation and Recovery Act
COC	Contaminant of Concern	**REC**	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	**RP**	Responsible Party
EC	Engineering Controls	**SDS**	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	**SEMS**	Superfund Enterprise Management System
EPA	Environmental Protection Agency	**SF**	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	**SP**	Subject Property
ERNS	Emergency Response Notification System	**SQG**	Small Quantity Generator
ESA	Environmental Site Assessment	**SWLF**	Solid Waste Landfill
GPR	Ground-Penetrating Radar	**SVOC**	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	**TCE**	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	**TPH**	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	**TPHd**	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	**TPHg**	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	**TPHo**	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	**TRPH**	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	**TSDF**	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	**USDA**	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	**USGS**	United States Geological Survey
MCL	Maximum Contaminant Level	**UST**	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	**VCP**	Voluntary Cleanup Program
ND	None Detected	**VOC**	Volatile Organic Compound

PARTNER
Engineering and Science, Inc.®

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Commercial Site
650 and 700 North
Sepulveda Boulevard
El Segundo, California 92045

Report Date: November 26, 2019
Partner Project No. 19-261985.1

Prepared for:

Crescit Mortgage Capital LLC
601 Lexington Avenue, 20th Floor
New York, New York 10022

PARTNER
Engineering and Science, Inc.

November 26, 2019

Crescit Mortgage Capital LLC
Adam Kies
601 Lexington Avenue, 20th Floor
New York, New York 10022

Subject: Phase I Environmental Site Assessment
Commercial Site
650 and 700 North Sepulveda Boulevard
El Segundo, California 92045
Partner Project No. 19-261985.1

Dear Mr. Kies:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 615-4500.

Sincerely,

Joseph P. Derhake, PE
Chief Executive Officer

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Crescit Mortgage Capital LLC for the property located at 650 and 700 North Sepulveda Boulevard in El Segundo, Los Angeles County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Crescit Mortgage Capital LLC with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the east side of North Sepulveda Boulevard and the south side of East Maple Street within a mixed commercial, retail, industrial and residential area of Los Angeles County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address(es):	650 and 700 North Sepulveda Boulevard, El Segundo, California (650 and 700)
Historical Address:	700 North Sepulveda Boulevard – previously 690 North Sepulveda Boulevard
Property Use:	Office
Land Acreage (Ac):	5.81 Ac
Number of Buildings:	2
Number of Floors:	700 North Sepulveda Boulevard: 1 and 2; 650 North Sepulveda Boulevard: 8-story and a penthouse
Gross Building Area (SF):	Building 650: 100,349sf; Building 700: 113,900sf
Net Rentable Area (SF):	Building 650: 100,349sf; Building 700: 113,900sf
Date of Construction:	1962 (Building 650); 1957, 1962 (Building 700)
Assessor's Parcel Number (APN):	4138-006-031 (650 North Sepulveda Boulevard); 4138-006-005 (700 North Sepulveda Boulevard)
Type of Construction:	650 - CMU and Steel-Framed; 700 Brick and Wood-Framed
Current Tenants:	Boeing
Site Assessment Performed By:	Dan Frizzell of Partner
Site Assessment Conducted On:	November 14, 2019

The subject property is currently occupied by Boeing for commercial use. Onsite operations consist of typical office activities and building maintenance. In addition to the current structure, the subject property is also improved with asphalt-paved parking areas, associated landscaping, and drainage features.

According to available historical sources, the subject property was formerly undeveloped as early as 1896 until 1927; developed with agricultural land between 1928 and circa 1938; became unimproved land from 1947 until at least 1953, and subsequently developed with the current structures in 1957 (700 North Sepulveda Boulevard) and 1962 (650 North Sepulveda Boulevard). Notable tenants at 650 North Sepulveda Boulevard have included Aerospace Center (1962-1966); Computer Science Corporation (CSC)

(1969-1976); Howard Hughes/Hughes Corporation/Hughes Aircraft Company (1984-1999), and The Boeing Company (2008-Present). Tenants at 700 North Sepulveda Boulevard have included Pharmaceutical Co. (1958); The Rabin Company/Pharmapak Drug Company (1960); Rabin Winters Corporation (1962-1967); Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974); BBC Laboratories, Norton Products/Tannehill Pharmaceuticals (1971); Devlin Pharmaceuticals Inc. (1974-1981); Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present).

The immediately surrounding properties consist of a Chic-fil-A restaurant under construction, eSalon (hair and nails) to the north; a multi-tenant strip mall and commercial building to the south; commercial buildings to the east; and a vacant commercial property, East Palm Avenue, IHOP and Carl's Jr. restaurant to the west across North Sepulveda Boulevard.

According to the Los Angeles Department of Public Works (LADPW) online website and topographic map review, the depth and direction of groundwater in the vicinity of the subject property is inferred to be approximately 97.9 feet below ground surface (bgs) and flow toward the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to Partner's 2015 Phase I ESA, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property (700 North Sepulveda portion) from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. No information pertaining to the exact location or status of the tanks was found during Partner's assessment.

  Partner also reported that the subject property was equipped with a concrete clarifier between 1966 and 1985. The exact location of the clarifier has not been identified but the clarifier was reportedly abandoned with the regulatory oversight of the Los Angeles County Department of Public Works (LACDPW). Documentation pertaining to subsurface conditions surrounding the clarifier at the time of closure was not found during Partner's assessment.

  Based on the findings of Partner's 2015 report, a Phase II subsurface investigation was conducted in May 2016 to address potential hazardous substance impacts from the former USTs and clarifier. Analytical results revealed low concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor. The concentrations detected were well below the residential screening levels, the most restrictive applicable screening levels. Based on the analytical results, the presence of the former USTs and clarifier do not represent a significant environmental concern.

- Due to the age of the subject property buildings, there is a potential that ACM and/or LBP are present. Suspect ACMs were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time, with the exception of limited areas of water-damaged ceiling tiles observed during the assessment. Partner observed damaged/peeling paint on all exterior elevations and in areas throughout the interior corridors of the 650 building.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 650 and 700 North Sepulveda Boulevard in El Segundo, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the suspect ACMs and LBP located at the subject property.

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 650 and 700 North Sepulveda Boulevard in El Segundo, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject

property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

This report is for the use and benefit of, and may be relied upon by the client, Crescit Mortgage Capital LLC its employees, agents, successors and assigns, and is intended only for the use specified below. A copy of the report may be provided to, and may be relied upon by, the Client and other persons designated by the Client and its successors and assigns, which persons shall consist of any prospective or existing participating lender(s) and their successors and assigns in connection with any syndication of a loan transaction (which, for the avoidance of doubt, shall include any confidential information

memorandum, bank book or other syndication or marketing materials provided to a prospective or existing participating lender in connection with the subject transaction provided any reference to the appraisal is not inaccurate or misleading) in which the Client participates or leads, as agent.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User was not provided at the time of the assessment.
- Due to the high level of security enforced by the current tenant of the subject property, Partner was not permitted to take photographs onsite or within the subject property building; however, Partner's observations were not limited during this assessment.
- Partner submitted Freedom of Information Act (FOIA) requests to the El Segundo Building Department (ESBD) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjacent properties. As of this writing, this agency has not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.
- Partner observed approximately 10% of all interior units and all common areas. Based on the size and nature of use of the unobserved units (office), this limited method of survey is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 650 North Sepulveda Boulevard in El Segundo, California is located on the east side of North Sepulveda Boulevard, south of 700 North Sepulveda between East Maple Avenue and East Mariposa Avenue. According to the Los Angeles County Assessor and online research, the subject property is legally described as "TR=SUB OF PART OF THE SAUSAL REDONDO RANCHO*LOT COM N 0 00'20" W 398.09 FT AND S 89 58"02" E 25.08 FT FROM SW COR OF NW 1/4 OF SEC 7 T 3S R 14W TH S 89¢," and ownership has been vested in Rabin Charlotte C; Rabin Trusts Partnership since 2014.

The subject property at 700 North Sepulveda Boulevard in El Segundo, California is located on the east side of North Sepulveda Boulevard, south of East Maple Street. According to the Los Angeles County Assessor and online research, the subject property is legally described as "SUB OF PART OF THE SAUSAL REDONDO RANCHO*LOT COM N 0 00'20" W 636.17 FT AND N 89 59"20" E 25.07 FT FROM SW COR OF NW 1/4 OF SEC 7 T 3S," and ownership has been vested in Rabin Charlotte C; Rabin Trusts Partnership since 2014.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Boeing for commercial use. Onsite operations consist of typical office activities and building maintenance. The subject property is developed with an eight-story office building (650 North Sepulveda Boulevard) on the southwestern portion and a single structure with areas of one and two stories (700 North Sepulveda Boulevard) located on the northern portion of the property. In addition to the current structure, the subject property is also improved with asphalt-paved parking areas, associated landscaping, and drainage features.

The subject property is designated for corporate office development by the City of El Segundo.

The subject property is identified as a SEMS-ARCHIVE, ICIS, Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG), Envirostor, AST, Facility Index System/Facility Registry System (FINDS), ECHO, CERS Haz Waste, CERS Tanks, and Facility and Manifest Data (HAZNET) site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial, retail, industrial and residential area of Los Angeles County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property.

Immediately Surrounding Properties

North: Chick-fil-A under construction (740 North Sepulveda Boulevard); eSalon (1910 East Maple Avenue)

South: Multi-tenant strip mall (600-630 North Sepulveda Boulevard) and commercial building (1921 Mariposa Avenue)

East: Vanderlande (607 Lairport Street); Equinox (1920 East Maple Avenue)

Immediately Surrounding Properties

West: Sepulveda Boulevard beyond which is Carl's Jr (639 North Sepulveda Boulevard); Vacant commercial building (707 North Sepulveda Boulevard); IHOP (755 North Sepulveda Boulevard)

Several adjacent properties were identified in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) Venice, California Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 117 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the east. The subject property is depicted on the 2012 map as undeveloped.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Pacific Ocean located approximately two miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment. According to available information, a public water system operated by the El Segundo Water Division serves the subject property vicinity. The sources of public water for the City of El Segundo are surface water from the Colorado River and northern California (State Water Project). According to a nearby Los Angeles Department of Public Works (LADPW) well (#1308G), the depth of groundwater in the vicinity of the subject property is inferred to be approximately 97.9 feet below ground surface (bgs).

2.4.3 Geology/Soils

The subject property is situated within the Transverse Ranges Physiographic Province of the State of California. The Transverse Ranges are an east-west trending series of steep mountain ranges and valleys. The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "Transverse." The province extends offshore to include San Miguel, Santa Rosa, and Santa Cruz islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San Andreas Fault. Intense north-south compression is squeezing the Transverse Ranges. As a result, this is one of the most rapidly rising regions on earth. Great thicknesses of Cenozoic petroleum-rich sedimentary rocks have been folded and faulted, making this one of the important oil producing areas in the United States. Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is not mapped. Therefore soils information is unavailable for the subject property.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06037C1770F, dated September 26, 2008

the subject property appears to be located in Zone X, an area located outside of the 100-year and 500year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1896-1927	Topographic Maps	Undeveloped/Native land
1928-1938	Aerial Photographs, Topographic Maps	Agricultural
1947-1953	Aerial Photographs	Unimproved land
1957-1981	Aerial Photographs, City Directories, Topographic Maps, Assessor Records, Regulatory Agency Records	700 North Sepulveda - Light-Industrial (manufacturer of pharmaceuticals)
1962-Present	Aerial Photographs, City Directories, Topographic Maps, Agency Records, Interviews, Onsite Observations	650 North Sepulveda - Commercial – Offices/Aerospace
1982-Present	Aerial Photographs, City Directories, Topographic Maps, Agency Records, Interviews, Onsite Observations	700 North Sepulveda - Commercial – Offices/Aerospace

Notable tenants at 650 North Sepulveda Boulevard have included Aerospace Center (1962-1966); Computer Science Corporation (CSC) (1969-1976); Howard Hughes/Hughes Corporation/Hughes Aircraft Company (1984-1999), and The Boeing Company (2008-Present). Tenants at 700 North Sepulveda Boulevard have included Pharmaceutical Co. (1958); The Rabin Company/Pharmapak Drug Company (1960); Rabin Winters Corporation (1962-1967); Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974); BBC Laboratories, Norton Products/Tannehill Pharmaceuticals (1971); Devlin Pharmaceuticals Inc. (1974-1981); Hughes Aircraft Company (1982-1999) and The Boeing Company (2008-Present).

Environmental concerns identified in association with the former use of the subject property are discussed in Section 5.2.6.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR). The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date:	***1923, 1928***	***Scale:***	***1"=500'***
Subject Property:	Appears to be agricultural land		
North:	Appears to be agricultural land		
South:	Appears to be agricultural land		
East:	Appears to be agricultural land		
West:	Appears to be agricultural land and farm-like structures across North Sepulveda Boulevard		

Date:	***1938***	***Scale:***	***1"=500'***
Subject Property:	Appears to be fallow land and developed with trees on the western perimeter		
North:	Appears to be fallow land		

Date: 1938		***Scale: 1"=500'***
South:	Appears to be fallow land	
East:	Appears to be fallow land	
West:	Appears to be agricultural land and several farm-like structures across North Sepulveda Boulevard	

Date: 1947		***Scale: 1"=500'***
Subject Property:	Appears to be unimproved land with the exception of the western perimeter of the subject property, which appears to be developed with trees	
North:	Appears to be unimproved land	
South:	Appears to be unimproved land	
East:	Appears to be unimproved land	
West:	Appears to be developed with several commercial structures and a road across Sepulveda Boulevard	

Date: 1953		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 1963		***Scale: 1"=500'***
Subject Property:	Appears to be developed with a commercial structure on the north side and a multi-story commercial office building at the south westernmost portion. The remainder of the property appears to be paved for parking	
North:	Appears to be developed with commercial/industrial structures	
South:	Appears to be developed with commercial structures	
East:	Appears to be developed with parking areas and commercial/industrial structures	
West:	North Sepulveda Boulevard beyond which are commercial structures and an associated parking	

Date: 1977, 1979		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	No significant changes visible	
West:	North Sepulveda Boulevard beyond which are several commercial structures and an associated parking lot to the north of East Palm Avenue, and what appears to be an unpaved parking area to the south of East Palm Avenue	

Date: 1981, 1989		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 1994, 2002		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	Developed with a commercial building and L-shaped multi-tenant commercial strip mall and associated parking lot	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 2005, 2009, 2010, 2012, 2016		*Scale: 1"=500'*
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	No significant changes visible	
West:	Developed with several commercial structures and associated paved parking to the north and south of East Palm Avenue across North Sepulveda Boulevard	

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from Environmental Data Resources (EDR) on November 1, 2019. Sanborn map coverage was not available for the subject property.

3.3 City Directories

Partner reviewed historical city directories obtained from Environmental Data Resources (EDR) on November 1, 2019 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 650 and 700 North Sepulveda Boulevard (Subject Property)	
Year(s)	**Occupant Listed**
1960	The Rabin Company / Pharmapak Drug Co. (700 North Sepulveda Boulevard),
1962	Rabin Winters Corp. (700 North Sepulveda Boulevard); Aerojet General Corporation/Computer Sciences Corporation/General Motors Corporation/Packard Electric Division of G M C/Thiokol Chemical Corporation and other commercial businesses (650 North Sepulveda Boulevard)
1964	Rabin Winters Corp. (700 North Sepulveda Boulevard); ACF Electronics Division of ACF Industries Inc./Aerojet-General Corporation Customer Relations/Aerospace Center/Computer Sciences Corporation/Delco Remy Division of General Motors Corporation/Delta Air Lines Inc. Director of Flight Equipment Development/Douglas Aircraft/General Dynamics Corporation of L A/General Dynamics Electro Dynamic/General Motors Corporation/Republic Aviation Corporation/Thiokol Chemical Corporation/TRW Capacitors/Univac Division Sperry Rand Corporation and other commercial businesses (650 North Sepulveda Boulevard)
1967	Brucemore Inc. Rabin Winters Corp. (700 North Sepulveda Boulevard); Aerospace Leasing Corporation (aircraft leasing)/Aerospace Printing Center/Computer Sciences Corporation/General Dynamics Corporation/Lockheed Missiles & Space Company/Mechanics Research Inc./National Semiconductor Corporation/Northland Camps Inc./Pfeiffer R Jas Associates Inc. (aircraft brokers)/Radiation Inc./System Sciences Corporation/Tele Dynamics Division American Bosch Arma Corporation/Thiokol Chemical Corporation and other commercial businesses (650 North Sepulveda Boulevard)

City Directory Search for 650 and 700 North Sepulveda Boulevard (Subject Property)	
Year(s)	**Occupant Listed**
1970	Rabin Winters Division of Brunswig Drug (1971 BBC Laboratories, Norton Products / Tannehill Pharmaceuticals (700 North Sepulveda Boulevard); Computer Sciences Corporation/Honeywell Inc. (650 North Sepulveda Boulevard)
1975, 1980, 1981,	Devlin Pharmaceuticals Inc. (700 North Sepulveda Boulevard); Computer Sciences Corporation - Business Services Division/Corporate Headquarters/ Western District Headquarters; Computer Sciences Institute (1971, 1975, 1980, and 1985)

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1954	Navajo Hogan Gifts (639 North Sepulveda Boulevard); Jay Jr. Drive-In (739 North Sepulveda Boulevard)
1957	The Big S (739 North Sepulveda Boulevard); King Virgil (639 North Sepulveda Boulevard)
1958	Sequoia Cabinet Co./Utility Cabinet Co. (1921 East Maple Avenue); Robb Restaurant (707 North Sepulveda Boulevard); United California Bank (740 North Sepulveda Boulevard)
1960	Robb Restaurant (707 North Sepulveda Boulevard); United California Bank (740 North Sepulveda Boulevard); Sequoia Furniture Products Inc. (1921 East Maple Avenue)
1990	Airport UNOCAL (603 North Sepulveda Boulevard)
1995, 2000	1995, 2000 Sizzler Restaurants (600 North Sepulveda Boulevard) Airport UNOCAL (603 North Sepulveda Boulevard) Multi-tenant commercial (630 North Sepulveda Boulevard) Carl's Jr. (639 North Sepulveda Boulevard)
2001	Carls Jr. (639 North Sepulveda Boulevard)
2008, 2014	2008, 2013 Multi-tenant commercial (630 North Sepulveda Boulevard) including Tri Cleaners Carl's Jr. (639 North Sepulveda Boulevard)

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from Environmental Data Resources (EDR) on November 1, 2019. The following was observed on the subject property and adjacent properties during

Date: 1896, 1923, 1924, 1930, 1934, 1948	
Subject Property:	Undeveloped land
North:	Undeveloped land
South:	Undeveloped land
East:	Undeveloped land
West:	Undeveloped land across North Sepulveda Boulevard

Date: 1950	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted
East:	No significant changes depicted
West:	A couple of structures are depicted to the south of East Palm Avenue across North Sepulveda Boulevard

Date:	***1964, 1972***
Subject Property:	Depicted with two large rectangular structures
North:	Depicted with one small and one a large rectangular structure
South:	Depicted with two large structures
East:	Depicted with commercial structures
West:	Sepulveda Boulevard beyond which is East Palm Avenue and areas shaded pink, which is indicative of dense urban development

Date:	***1981***
Subject Property:	Depicted with two large rectangular structures on the northern and southwest portions
North:	Depicted with one small and one a large rectangular structure; a third rectangular structure (pink) is depicted to the north of the small rectangular structure
South:	No significant changes depicted
East:	No significant changes depicted
West:	Sepulveda Boulevard beyond which is East Palm Avenue and areas shaded pink, which is indicative of dense urban development

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 Health Department

Regulatory Agency Data	
Name of Agency:	Office of Environmental Health Hazard Assessment (OEHHA)
Point of Contact:	Monet Valla
Agency Address:	1001 I Street P.O. Box 2815, Sacramento, California 95812
Agency Phone Number:	(916) 324-1786
Date of Contact:	November 11, 2019
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the (OEHHA).

4.1.2 Fire Department

Regulatory Agency Data	
Name of Agency:	El Segundo Fire Department (ESFD)
Point of Contact:	Ms. Liz Lydic
Agency Address:	314 Main Street, El Segundo, California 90245
Agency Phone Number:	(310) 524-2235
Date of Contact:	November 6, 2019
Method of Communication:	In Person/Email
Summary of Communication:	According to records reviewed, the subject property had routine inspections from the ESFD. No violations or releases were identified for the subject property in their latest inspection report.

4.1.3 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (SCAQMD)
Point of Contact:	http://www3.aqmd.gov/webappl/fim/prog/search.aspx
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909) 396-2000
Date of Contact:	November 6, 2019
Method of Communication:	Online
Summary of Communication:	Several permits to operate were on file for the 650 building including an active permit for a diesel generator (2013). No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the AQMD.

4.1.4 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	Regional Water Quality Control Board (RWQCB)
Point of Contact:	http://geotracker.waterboards.ca.gov/
Agency Address:	320 West 4th Street #200, Los Angeles, California 90013

Regulatory Agency Data	
Agency Phone Number:	(213) 576-6600
Date of Contact:	November 6, 2019
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the RWQCB.

4.1.5 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	http://www.envirostor.dtsc.ca.gov/public/ and; http://hwts.dtsc.ca.gov/report_list.cfm
Agency Address:	5816 Corporate Drive, Cypress, California 90630
Agency Phone Number:	N/A
Date of Contact:	November 11, 2019
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the 700 building was occupied by several pharmaceutical companies between 1958 and 1981 before it was leased/occupied by Hughes Aircraft Company. In 1958 a Pharmaceutical Co. was established onsite and installed eight 1,000-gallon USTs "used to store gasoline, mineral oils, alcohols, and solvents." Between 1966 and 1974, the 700 building was leased to pharmaceutical company Bergan Brunswick; Brunswick installed a clarifier circa 1966 but did not use the USTs. In 1982, the eight USTs were closed in place before leasing the property to Hughes Aircraft Company (HAC) "without regulatory oversight;" HAC reportedly conducted no manufacturing on-site and only stored furniture on the subject property. In 1985, HAC submitted clarifier sludge samples to the IT Corporation for analysis (tested for Semi-volatile organic compounds (SVOCs). Based on the analytical results, there was no evidence indicating air contamination. As a result, the Los Angeles County Department of Public Works (LACDPW) inspected the USTs and clarifier on 10/29/1985 indicating they complied. No closure letters or site plans were identified indicating the exact locations of the USTs and clarifier but according to a memo dated 11/12/1985, the USTs were located "north of the building, near receiving." Refer to Section 5.2.6 for further discussion of the USTs. Records pertaining to hazardous waste generation onsite are discussed in Section 4.2

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	El Segundo Building Department (ESBD)

Regulatory Agency Data	
Point of Contact:	City Clerk
Agency Address:	350 Main Street, El Segundo, California 90245
Agency Phone Number:	(310) 524-2300
Date of Contact:	November 6, 2019
Method of Communication:	Email
Summary of Communication:	As of the date of this report, Partner received a response from the ESBD indicating that records would be provided by the city clerk. Based on building records reviewed during Partner's 2015 assessment, this limitation is not expected to alter to overall findings of the report.

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	El Segundo Planning Department (ESPD)
Point of Contact:	City of El Segundo Website
Agency Address:	350 Main Street, El Segundo, California 90245
Agency Phone Number:	(310) 524-2300
Date of Contact:	November 6, 2019
Method of Communication:	350 Main Street, El Segundo, California 90245
Summary of Communication:	According to records reviewed, the subject property is zoned C3-M1 for corporate office development by the City of El Segundo.

4.1.8 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Los Angeles County Assessor (LACA)
Point of Contact:	http://assessor.lacounty.gov/extranet/Datamaps/Pais.aspx
Agency Address:	500 West Temple St. Room 225, Los Angeles, California 90012
Agency Phone Number:	(888) 807-2111
Date of Contact:	November 6, 2019
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Numbers (APNs) 4138-006-031 and 4138-006-005. The current buildings were constructed in 1957 (700 North Sepulveda) and 1962 (650 North Sepulveda); and total approximately 78,736 sf and 121,484 sf, respectively, on a 5.81 acre lot. Additional online information indicates the subject property has been owned by Rabin Charlotte C; Rabin Trusts Partnership since 2014.

4.1.9 Public Works

Regulatory Agency Data	
Name of Agency:	Los Angeles County Department of Public Works (LACDPW)
Point of Contact:	http://www.ladpw.org/epd/cleanla/OpenFileReview.aspx
Agency Address:	900 South Fremont Avenue, Alhambra, California
Agency Phone Number:	(626) 458-3617
Date of Contact:	November 6, 2019

Regulatory Agency Data	
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LACDPW.

Copies of pertinent documents from the above agencies are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources were provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data

Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	**Y**	**Y**	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	**Y**	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	**Y**	**Y**	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	N	N
EDR US Hist Cleaners	Varies	N	N	N

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
SEMS-ARCHIVE	Subject Property	**Y**	N	N
ICIS	Subject Property	**Y**	N	N
Envirostor	Subject Property	**Y**	N	N
FINDS	Subject Property	**Y**	**Y**	N
ECHO	Subject Property	**Y**	**Y**	N
HAZNET	Subject Property	**Y**	**Y**	N

4.2.2 Subject Property Listings

The subject property is identified as a SEMS-ARCHIVE, ICIS, Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG), Envirostor, AST, Facility Index System/Facility Registry System (FINDS), ECHO, CERS Haz Waste, CERS Tanks, and Facility and Manifest Data (HAZNET) site in the regulatory database report, as discussed below:

- The subject property, identified as The Boeing Company/ BOEING SATELLITE SYSTEMS - S38 (700 North Sepulveda Boulevard)/The Boeing Co at 650-700 North Sepulveda Boulevard, is listed on the HAZNET, RCRA-LQG, CERS Haz Waste, CERS Tanks and FINDS databases. The site is listed as having generated asbestos-containing waste, hydrocarbon solvents and photochemical/photo processing waste in 2000, 2014, 2016, as well as unspecified hazardous waste in 2012 and 2013, and 2014. The site is also listed as a large quantity generator in 2012. No violations were reported with regard to the RCRA generator or HAZNET listings. The site also has FINDS registry IDs 110054820841, 110065048353 and 110028067080 for tracking hazardous waste and Integrated Compliance Information System (ICIS) information. The facility was also listed for a registered above ground petroleum storage tank. Administrative violations were issued in May 2018; the violations were returned to compliance on June 21, 2018. Based on the regulatory oversight of hazardous waste generation and disposal with lack of documented violations or releases, this listing is not expected to represent a significant environmental concern.
- The subject property, identified as DEVLIN PHARMACEUTICALS, INC at 700 North Sepulveda Boulevard, is listed on the ENVIROSTOR and SEMS-ARCHIVE databases. The site is not a federal facility and it is not listed on the National Priority List (NPL). According to the database, a preliminary assessment was completed and archived on February 22, 1989. No additional information was provided on the LA Co. Site Mitigation database. According to Envirostor, the site is listed with a "No Further Action (NFA)" status on December 8, 1994. A completed activity to confirm NFA status was completed on March 22, 2018. Based on the regulatory status, this listing is not expected to represent a significant environmental concern.

- The subject property, identified as Southern California Edison – Customer Location at 650 North Sepulveda Boulevard, is listed on the HAZNET database. The site is listed as generating approximately 6.7 tons of waste oil and mixed oil in 2009. The disposal method reported is storage, bulking, and/or transfer off site - no treatment/recovery. Although the volume of materials generated is significant, based on the nature of operations at the subject property since the 1980s being limited to office operations and the name associated with the listing being Southern California Edison, it is presumed that the materials generated were associated with electrical transformers or other electrical equipment located within the subject building or on the subject property. Based on the regulatory oversight and a lack of reported releases or violations identified in regulatory agency records, this listing is not expected to represent a significant environmental concern.
- The subject property, identified as HUGHES SPACE & COMMUNICATIONS at 650-700 North Sepulveda Boulevard, is listed on the HAZNET database. The site is listed as having generated asbestos-containing waste, hydrocarbon solvents and photochemical/photo processing waste in 1999 and 2000. The site is listed with an EPA ID CAD060897063. No violations were reported with regard to the HAZNET listing. Based on the regulatory oversight and a lack of reported releases or violations identified in regulatory agency records, this listing is not expected to represent a significant environmental concern.
- The subject property, identified as AERO SPACE CTR at 650 North Sepulveda Boulevard, is listed on the HAZNET database. The site is listed as having generated asbestos-containing waste, hydrocarbon solvents and photochemical/photo processing waste in 1985. The site is listed with an EPA ID CAD099990947. No violations were reported with regard to the HAZNET listing. Based on the regulatory oversight and a lack of reported releases or violations identified in regulatory agency records, this listing is not expected to represent a significant environmental concern.
- The subject property, identified as Boeing Satellite Systems S-38 (BSS) at 700 North Sepulveda Boulevard appears to be incorrectly identified with the BSS facility that operates four hazardous waste storage units at five contiguous address locations in El Segundo, CA (1950 E. Imperial Highway, 1920 E. Imperial Highway, 940 N. Shelby Street, 930 N. Shelby Street). Based on the distance from the subject property, this listing is not expected to represent a significant environmental concern and it is unlikely that further regulatory file review for this site would alter the findings of this assessment.

4.2.3 Adjacent Property Listings

Adjacent properties to the north, northeast and south are identified as a CERC NFRAP, RCRA LQG, RCRA SQG, Envirostor, LUST, UST, AST, HIST UST, SWEEPS UST, FINDS, HIST CORTESE, LA Co. Site Mitigation, LA Co. HMS, HAZNET, EMI, NPDES, Drycleaners, EDR Historical Auto Station and EDR Historical Cleaners sites in the regulatory database report, as discussed below:

- The adjacent property to the northeast at 1920 East Maple Street, identified as EQUINIX LLC and Hughes Aircraft Co - EDSG, is reported as a CA HIST UST, CA HAZNET, RCRA-SQG, CA HIST UST, FINDS, ECHO, CA LUST, CA CERS, CA UST, RCRA-VSQG, RCRA NonGen / NLR, CA SWEEPS UST, CA

LOS ANGELES CO. HMS, CA AST, and CA SWEEPS UST site. The site is reported to have operated three historical 12,000-gallon gasoline USTs, which were installed in 1981. The site is also listed on the UST database for two USTs, containing diesel fuel, which were reportedly inspected in August 2008. Though further information pertaining to the regulatory status of these specific USTs was not identified, the site is listed on the Los Angeles Co. HMS database with a "closed" facility and permit status. This site reported a release of gasoline on November 3, 1986 to the lead agency (City of El Segundo). Documents reported that on November 1, 2016 to January 1, 2017, 63 tons of contaminated soil was excavated from the site. The radius report indicates that the release impacted soil only. Soil or groundwater has been tested for MTBE and results reported in accordance with Health and Safety Code Section 25296.15. On April 24, 2018 the Los Angeles County Regional Quality Control Board issued a "Closure/No Further Action letter for the completion of the site investigation and corrective action at the site. Based on these findings, the listings are not expected to represent a significant environmental concern.

Equinix Operating Center., is also listed on the AST database for registering one AST. No other pertinent information was provided. This site is also listed on the RCRA-VSQG, RCRA-SQG and FINDS databases. The site is identified as a RCRA-VSQG in 2017 with an EPA ID CAR000275388. The site is identified as a SQG in 1997 with an EPA ID CAD981398209. No violations were reported for the RCRA generator status. Based on the absence of a release/violation reported and the small quantity of waste generated, these listings are not expected to represent a significant environmental concern

- The property at 603 North Sepulveda Boulevard, is located adjacent to the south of the subject property. The site is listed in the CA HIST UST, CA UST, CA CERS TANKS, CA HAZNET, CA CERS, CA SWEEPS UST, CA HIST UST, EDR US Hist Auto database. The site is identified as "UNION OIL SERVICE ST" in 1988, AIRPORT 5 STAR in 2005 and 2008, SERVICE STATION 5866 in 1966, TOSCO CORPORATION ST in 2000, 2001, and 2002, WITT JIM UNION SERVICE as an EDR UST AUTO from 1970-2014. One waste oil tank was registered to this site and appears to have been removed. As of September 2008, two unleaded tanks are registered to this site. Several violations were issued to this site prior to April 2019. Based on the lack of a reported release and the inferred direction of groundwater flow, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

- The property, identified as Tri Cleaners, at 630 North Sepulveda Boulevard, is located adjacent to the south of the subject property. The site is listed on the RCRA-SQG, FINDS, Drycleaners, EDR US Hist Cleaners and HAZNET databases. The site is identified as a Small Quantity Generator (SQG) in 1992 with an EPA ID CAD983634742 and a FINDS ID 110002875327. No violations were found. The site is listed as a "drycleaning and laundry services (except coin-operated)" type of business in 1992 and was occupied by "Tri Cleaners" between 1998 and 2012. The site is listed as "Inactive". The site is listed as a generator of hazardous waste including less than a total of 0.2 tons of liquids with halogenated organic compounds greater than or equal to 1,000 micrograms per liter (mg/L); a total of 0.245 tons of unreported waste in 2012 and 0.075 tons of unreported waste in 2013. Based on the absence of a violation or release reported and the inferred depth and direction of

groundwater in the area of the subject property, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

- The property, identified as LAX Photo Lab, at 630 North Sepulveda Boulevard Unit 6 B, is located adjacent to the south of the subject property. The site is identified as a SQG in 1992 with an EPA ID CAD983634171 and a FINDS ID 110002874890. No violations were found. Based on the absence of a release/violation reported, and the inferred direction of groundwater flow, this listing is not expected to represent a significant environmental concern. The site is listed on the Los Angeles Co. HMS database with a "removed" facility and permit status. Based on the absence of a violation reported and the inferred depth and direction of groundwater in the area of the subject property, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.
- The property, identified as XPO Logistics Supply Chain/Raytheon Systems Company/Raytheon/Raytheon Company, Hughes/Hughes, RSG Blg R-24, MS 1150, at 1917-1921 East Mariposa Avenue, is located adjacent to the southeast of the subject property. The site is listed on the UST, HAZNET, NPDES, CIWQS and FINDS databases. The site is listed as a hazardous waste generator and reportedly operated two gasoline USTs, which were removed and received a "permanent facility closure. " In addition, the site is listed on the SWEEPS UST and Los Angeles Co. HMS databases, indicating two "active" USTs, though no other pertinent information is provided except that the property has a "closed" facility and permit status. The site is listed as a generator of hazardous waste including 0.02 tons of laboratory waste chemicals in 2011; 0.02 of unreported waste in 2012 and a total of less than 0.106 tons of unreported waste in 2013. Based on the absence of a violation reported and the inferred depth of groundwater in the area of the subject property, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment.

Based on the findings, vapor migration is expected to represent a significant environmental concern at this time.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

No orphan listings of concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Crescit Mortgage Capital LLC (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire		**X**		
Title Records, Environmental Liens, and AULs		**X**		
Specialized Knowledge		**X**		
Actual Knowledge		**X**		
Valuation Reduction for Environmental Issues		**X**		
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports			**X**	
Other		**X**		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property since 2014, identified as Rabin Charlotte C; Rabin Trusts Partnership, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Mr. Paul Summers, key site manager, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Paul Summers, he was unaware of the year of construction of the buildings and unaware of the past uses other than the existing office space use. A previous subsurface investigation was conducted, as further discussed in Section 5.2.6.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

The User was not aware of environmental liens and/or AULs encumbering the subject property or in connection with the subject property at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

The User was not aware of any reductions in property value due to environmental issues.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment Report, Boeing Building II, 700 North Sepulveda Boulevard, Partner (September 18, 2015)

- Historical and regulatory information obtained from Partner's 2015 report is consistent with Partner's current assessment. However, Partner identified the following REC:

  "Based on the historical information reviewed, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property (700 North Sepulveda portion) from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. No information pertaining to the exact location was available during the course of this assessment, although they were described being located "north of the building, near receiving" in a memo dated November 12, 1985. According to a document issued by the Los Angeles County Department of Public Works (LACDPW) to Hughes Aircraft on October 29, 1985, the USTs were filled in place. In a document dated July 12, 1990, the USTs were described as "removed…without regulatory oversight and their integrity was unknown." Further, no records were identified on-file with the El Segundo Fire Department (ESFD) and the LACDPW, and no information regarding this facility was provided by subject property management. In addition, according to the Department of Toxic Substances Control (DTSC) records reviewed, the subject property was equipped with a concrete clarifier between 1966 and 1985. The exact location of the clarifier has not been identified but the clarifier was reportedly abandoned with the regulatory oversight of the LACDPW. At that time, six sludge samples were collected from the clarifier and analyzed for SVOCs. Laboratory results indicated no potential for air contamination. As a result, the LACDPW issued a statement indicating the clarifier was in compliance to Hughes Aircraft on October 29, 1985. A dry inspection was reportedly conducted for the clarifier on November 12, 1985, which did not identify leaks and indicated no problems were observed. Although no obvious evidence of leaks was identified within the clarifier, the potential exists for small quantities of materials within the clarifier to have been released over time which may have impacted soil and/or groundwater surrounding the clarifier. In addition, Partner has not been provided with or identified documentation pertaining to subsurface conditions surrounding the clarifier at the time of closure, and the subject property appears to have been granted no further action (NFA) status in 1994."

Phase I Environmental Site Assessment Report, Boeing Buildings, 650 North Sepulveda Boulevard, Partner (September 18, 2015)

- Historical and regulatory information obtained from Partner's 2015 report is consistent with Partner's current assessment. Partner recommended that an Operations and Maintenance (O&M)

Program be implemented in order to safely manage the suspect ACMs located at the subject property.

Partner prepared the 2015 reports on behalf of CBRE. The assessments were performed in accordance with ASTM Standard E1527-13. The assessments consisted of a site reconnaissance, interviews with knowledgeable personnel, review of historical information, a review of federal, state and local regulatory databases.

REPORT OF PHASE II SUBSURFACE INVESTIGATION, 700 N. SEPULVEDA BOULEVARD, Ramboll Environ (May 13, 2016)

- A summary of the PHII investigation is provided below:

  Based on the REC identified in Partner's 2015 PHI ESA (discussed above), a Phase II subsurface investigation was recommended to identify any potential impact of contamination/releases of hazardous substances. On May 13, 2016, a subsurface investigation was conducted in the area of the former USTs and clarifier. Based on the results of their geophysical survey, Ramblin Environ (RE) advanced 6 soil borings in the parking lot north to the northeast of the 700 building. Analytical results revealed low concentrations of constituents (petroleum hydrocarbons, volatile organic compounds, metals) detected in soil and soil vapor. Concentrations detected in the area of the site investigated were well below the residential screening levels, the most restrictive applicable screening levels; are consistent with a no further action status for the site; are not indicative of any release or condition which has adversely impacted the environmental integrity of the site, which would require additional investigation, monitoring, or remediation or reporting to any governmental agency; are not indicative of conditions which would require special handling in connection with the redevelopment of the site. Therefore, RE concluded that no further investigation, monitoring, or remediation is recommended or warranted.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Dan Frizzell
Site Assessment Conducted On:	November 14, 2019

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 650 and 700 North Sepulveda Boulevard (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
Mr. Paul Summers	Key Site Manager	(310) 292-8201	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property.

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located to the east of the office building on the subject property. An independent solid waste disposal contractor removes solid waste from the subject property. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of El Segundo services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property and in the public right of way. Site storm water from roofs, landscaped areas, and paved areas is directed to on-site concrete swales, which drain to the public right of way, and to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system. The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by Southern California Edison (SCE) and Southern California Gas Company (SCG), respectively. The mechanical system is comprised of a central system with interior air handlers and heat exchangers, as well as exterior cooling towers. Hot water is provided by central natural water heaters.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of reportable quantities of hazardous substances was observed on the subject property. Small quantities of general maintenance supplies were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. The storage and use of maintenance supplies does not appear to pose a significant threat to the environmental integrity of the subject property at this time.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. Two pad-mounted transformers were observed on the subject property. The transformers are not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. Construction materials including, but not limited to, thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building and that have not been appropriately tested may be considered "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed in 1957 (700 North Sepulveda Boulevard), and 1962 (650 North Sepulveda Boulevard) and may have asbestos containing materials (ACMs: materials containing >1% asbestiform components determined by the EPA 600/R-93/116 Method using Polarized Light Microscopy) present. The table below outlines suspect ACM that is generally found in buildings of this age:

Suspect ACM
Drywall Systems
Floor Tiles
Floor Tile Mastic
Spray-Applied Acoustical Material
Stucco

Suspect ACMs were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time, with the exception of limited areas of water-damaged ceiling tiles observed during the assessment.

Prior to disturbance, Partner recommends a comprehensive asbestos survey of the property be completed to determine the presence, condition, friability and likely future condition of suspect or confirmed ACM. All suspect materials must be handled as ACM according to local, state and federal regulations until the results of sampling and analysis indicate the material is a non-ACM. According to the US EPA, ACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present. Partner observed damaged/peeling paint on all exterior elevations and in areas throughout the interior corridors of the 650 building. Partner recommends that an LBP O&M plan be implemented.

Actual material samples would need to be collected in order to determine if LBP is present.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the El Segundo Water Division serves the subject property vicinity. The sources of public water for the City of El Segundo are surface water from the Colorado River and northern California. According to the City of El Segundo and the 2015 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property buildings for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to Partner's 2015 Phase I ESA, eight 1,000-gallon underground storage tanks (USTs) were located on the subject property (700 North Sepulveda portion) from 1958 until 1985. The USTs were of concrete construction, and reportedly contained gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. No information pertaining to the exact location or status of the tanks was found during Partner's assessment.

  Partner also reported that the subject property was equipped with a concrete clarifier between 1966 and 1985. The exact location of the clarifier has not been identified but the clarifier was reportedly abandoned with the regulatory oversight of the Los Angeles County Department of Public Works (LACDPW). Documentation pertaining to subsurface conditions surrounding the clarifier at the time of closure was not found during Partner's assessment.

  Based on the findings of Partner's 2015 report, a Phase II subsurface investigation was conducted in May 2016 to address potential hazardous substance impacts from the former USTs and clarifier.

Analytical results revealed low concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, metals) in soil and soil vapor. The concentrations detected were well below the residential screening levels, the most restrictive applicable screening levels. Based on the analytical results, the presence of the former USTs and clarifier do not represent a significant environmental concern.

- Due to the age of the subject property buildings, there is a potential that ACM and/or LBP are present. Suspect ACMs were observed in good condition and do not pose a health and safety concern to the occupants of the subject property at this time, with the exception of limited areas of water-damaged ceiling tiles observed during the assessment. Partner observed damaged/peeling paint on all exterior elevations and in areas throughout the interior corridors of the 650 building.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 650 and 700 North Sepulveda Boulevard in El Segundo, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the suspect ACMs and LBP located at the subject property.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

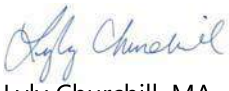
Partner has performed a Phase I Environmental Site Assessment of the property located at 650 and 700 North Sepulveda Boulevard in El Segundo, Los Angeles County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Dan Frizzell
Environmental Professional

Reviewed By:



Lyly Churchill, MA
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, November 2019

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, November 2019

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, November 2019

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, November 2019

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, November 2019

United States Geological Survey, accessed via the Internet, November 2019

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, November 2019

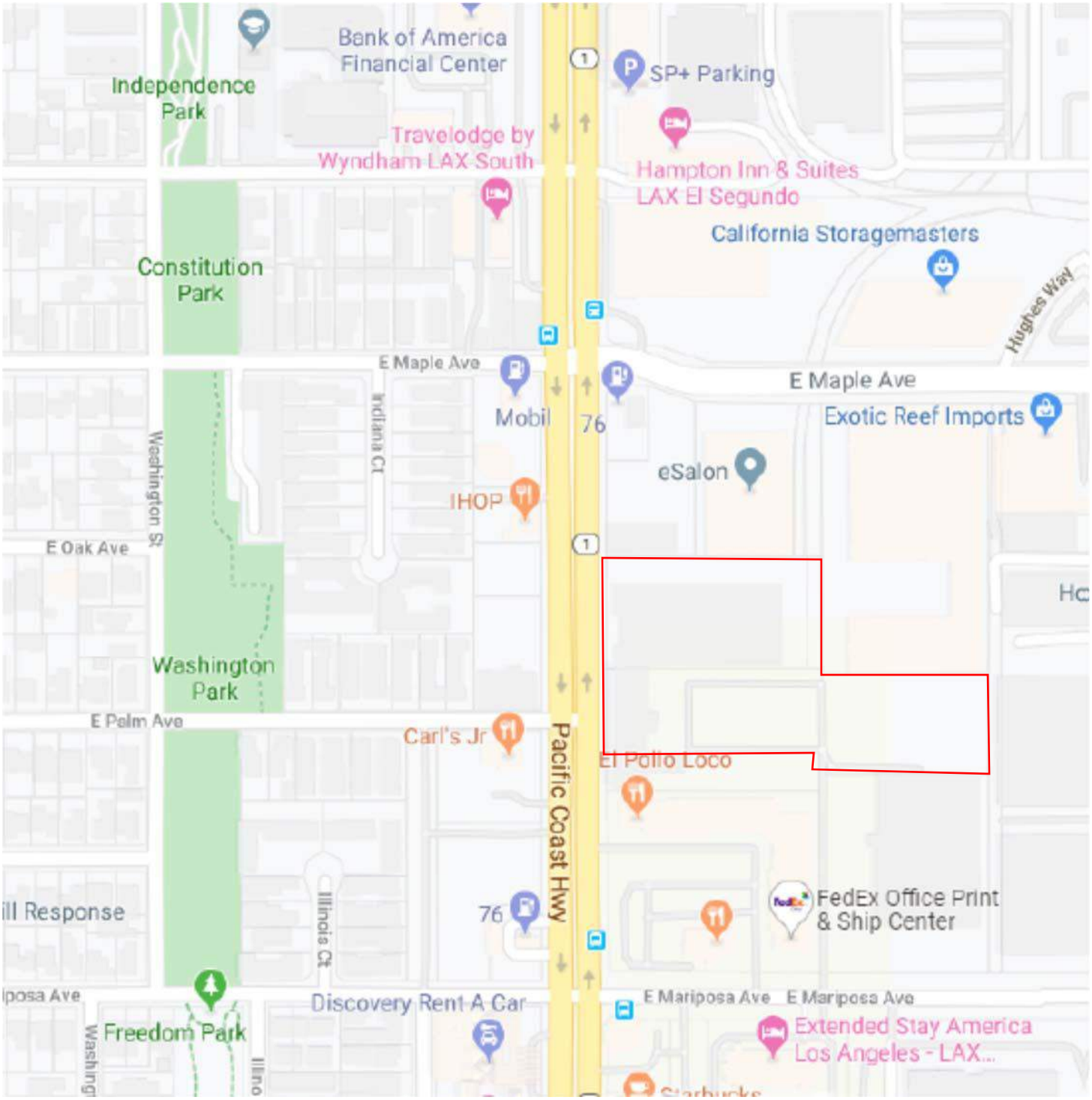
FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER



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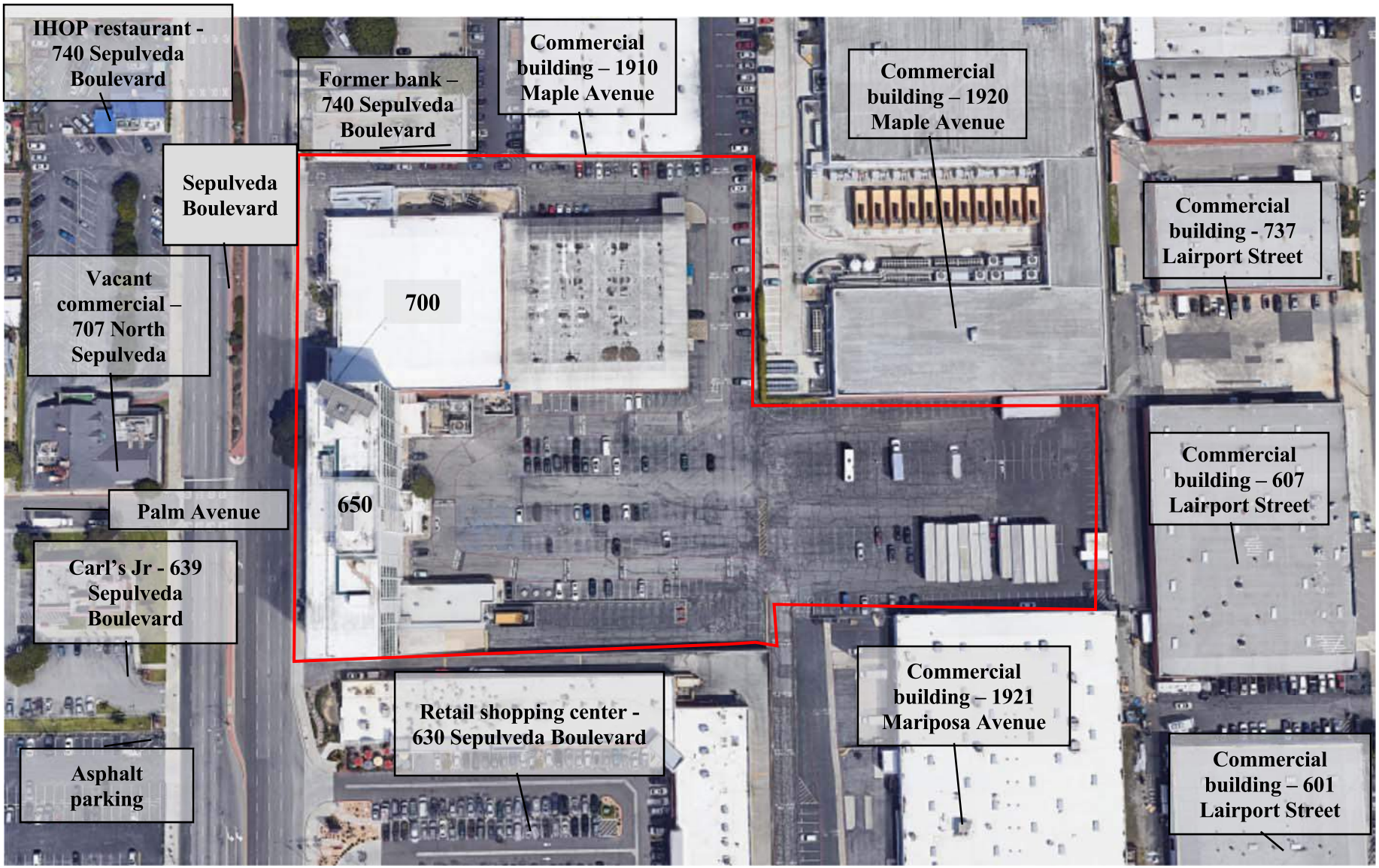
Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 19-261985.1

PARTNER



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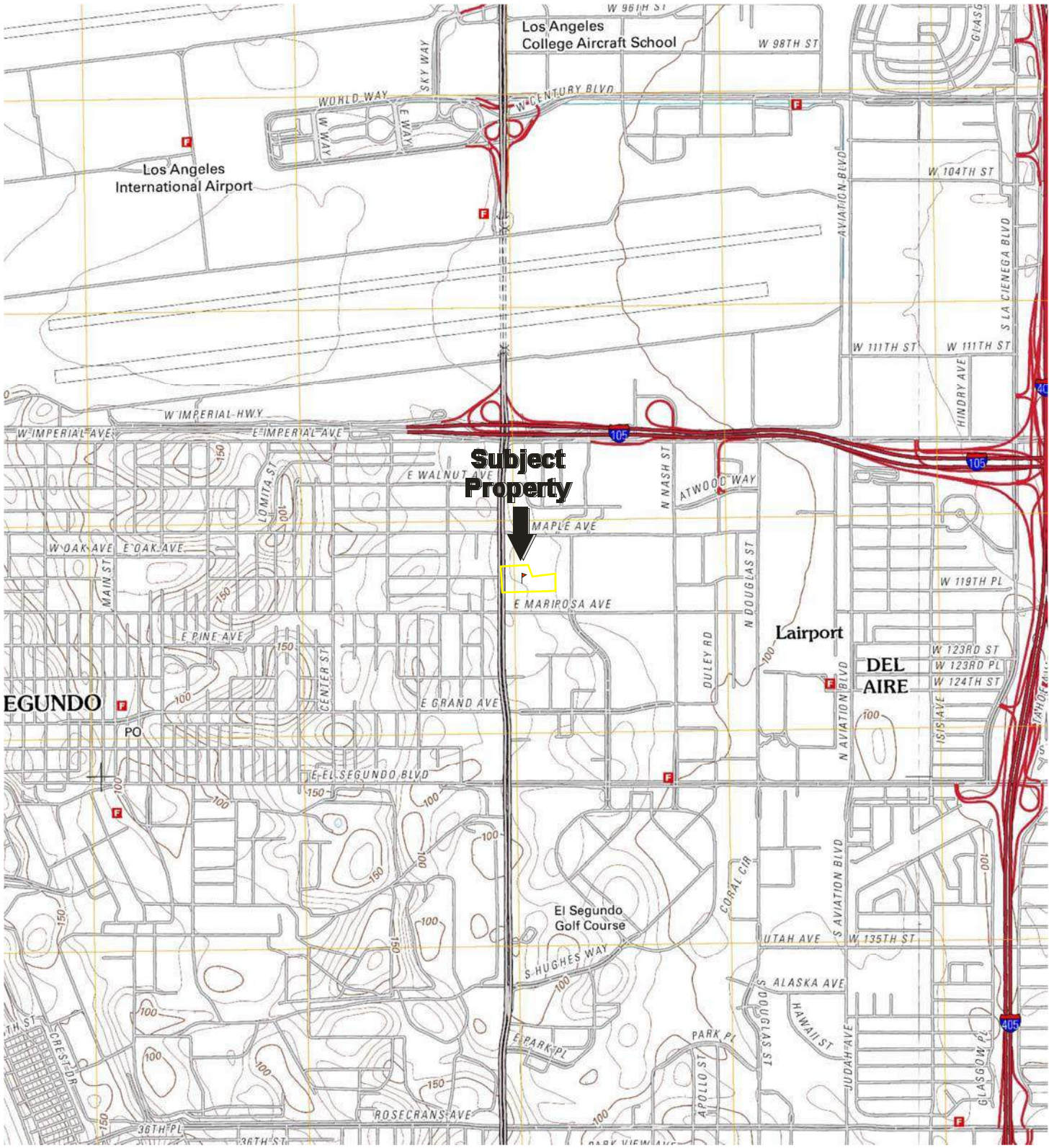
GROUNDWATER FLOW

KEY:
Subject Property

FIGURE 2: SITE PLAN
Project No. 19-261985.1

PARTNER



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USGS 7.5 Minute *Venice, California* Quadrangle
Created: 2012

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 19-261985.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. View of the 8-story subject property and adjacent retail shopping center to the south.

2. Adjacent Carl's Jr to the west.

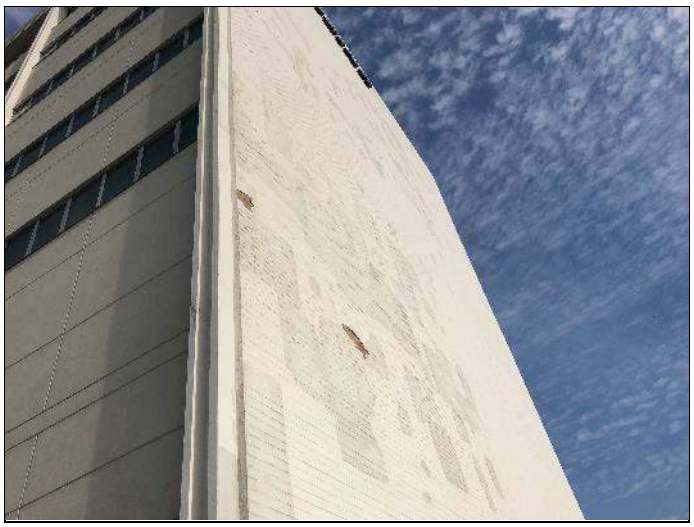
3. View of the vacant commercial property to the west.

4. Adjacent commercial building to the northeast.

5. View of the adjacent parking lot to the east and east elevations of the subject property.

6. Adjacent commercial building to the east.

7. Street view of the subject property looking north.



8. Northwest corner of the 8-story building.

9. Blocked southern driveway from North Sepulveda Boulevard.

10. North driveway from North Sepulveda Boulevard and adjacent new construction (Chick-Fil-A).

11. North elevation and northwest corner of the 700 North Sepulveda building.

1. View of the typical asphalt paving, ADA parking, and western elevation of the 700 building.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

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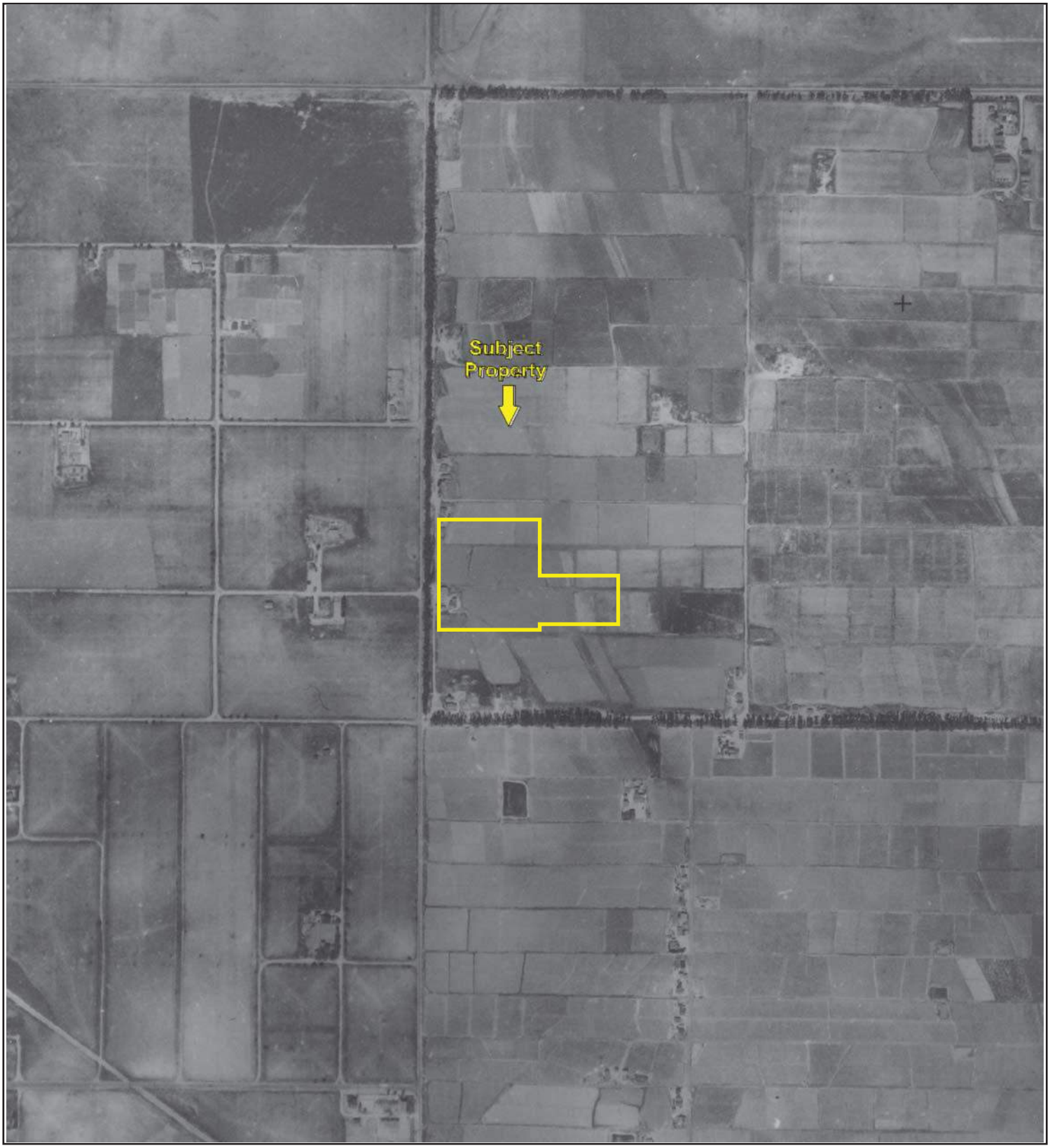
Key: Subject Property



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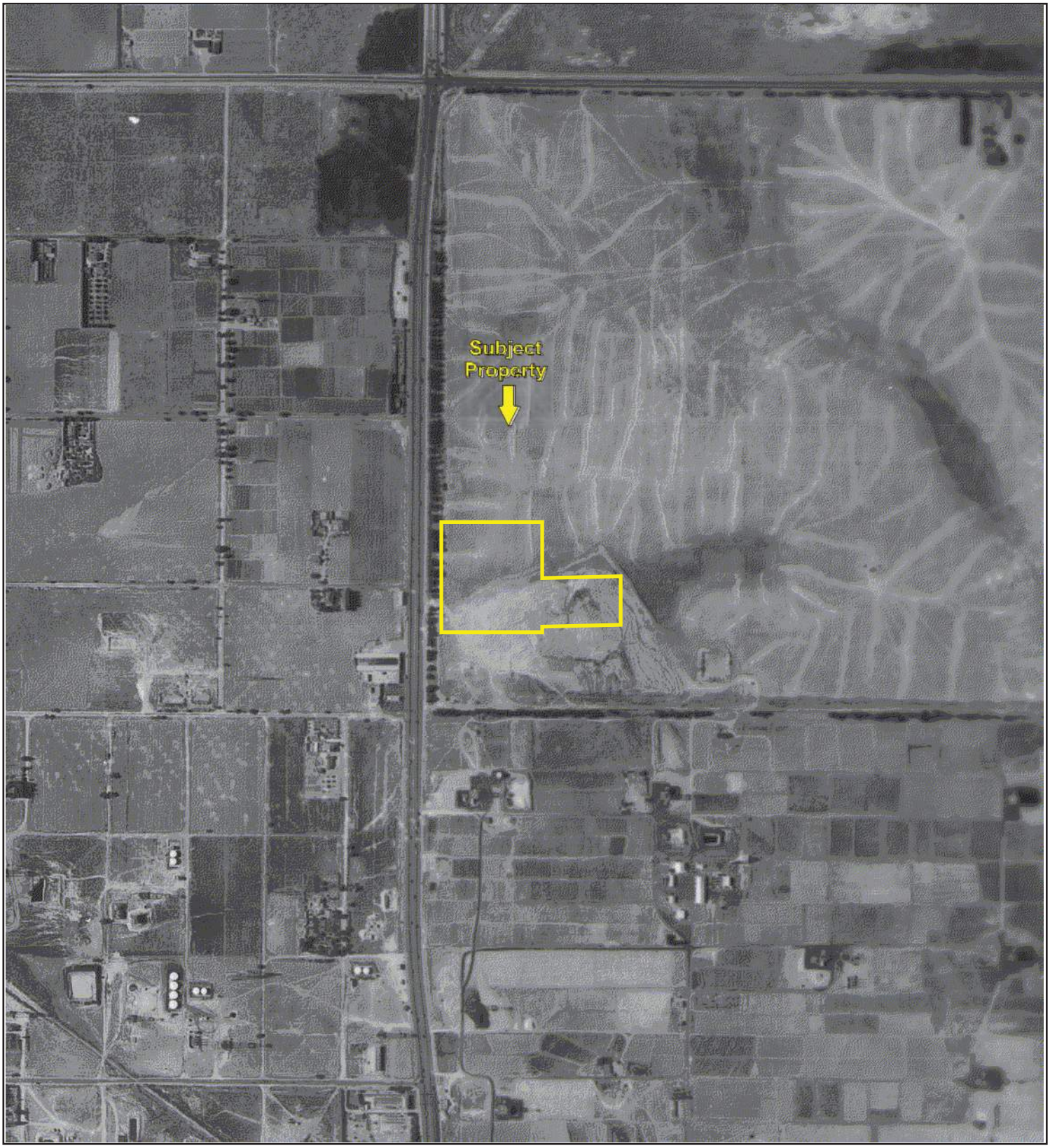

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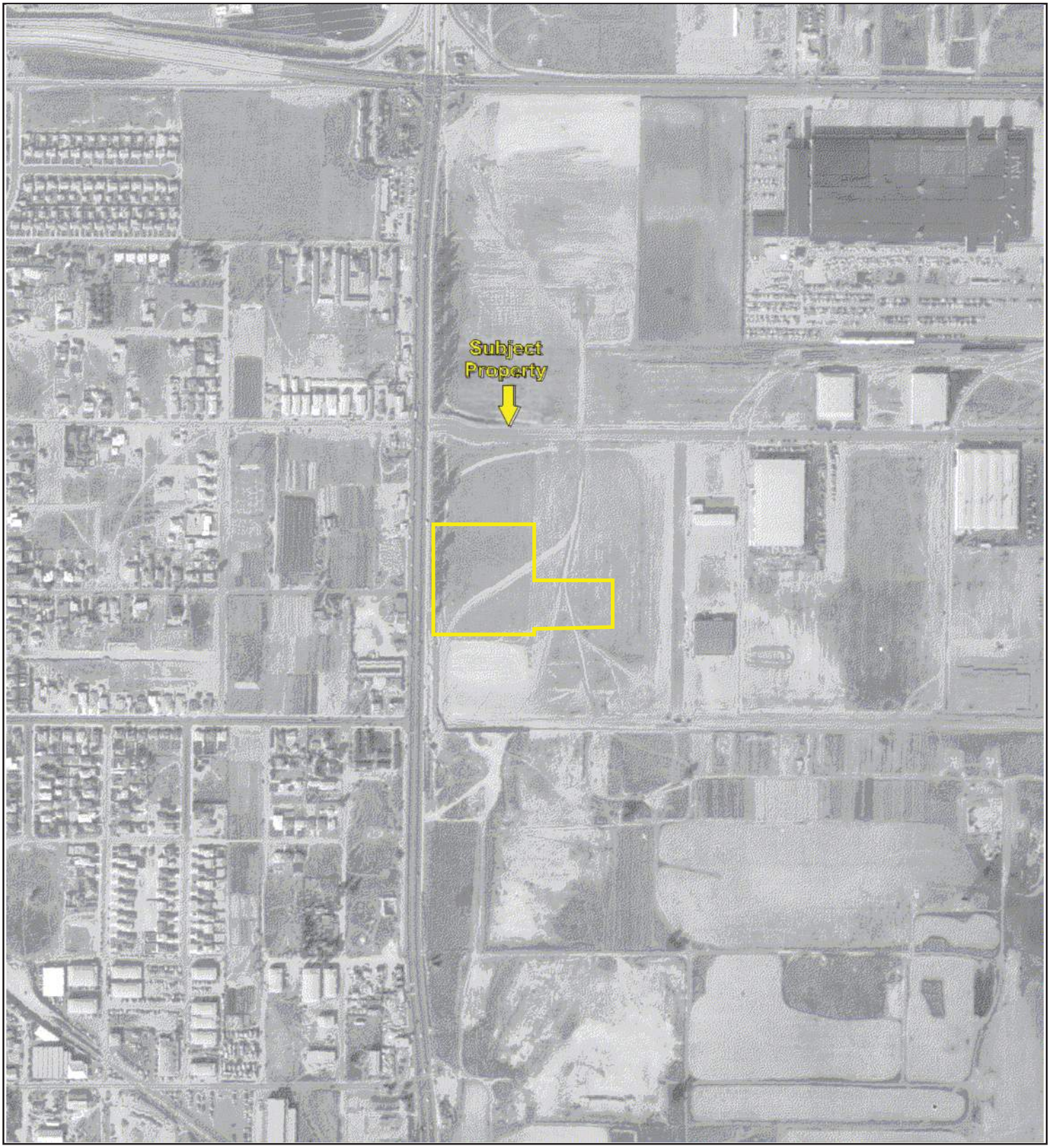

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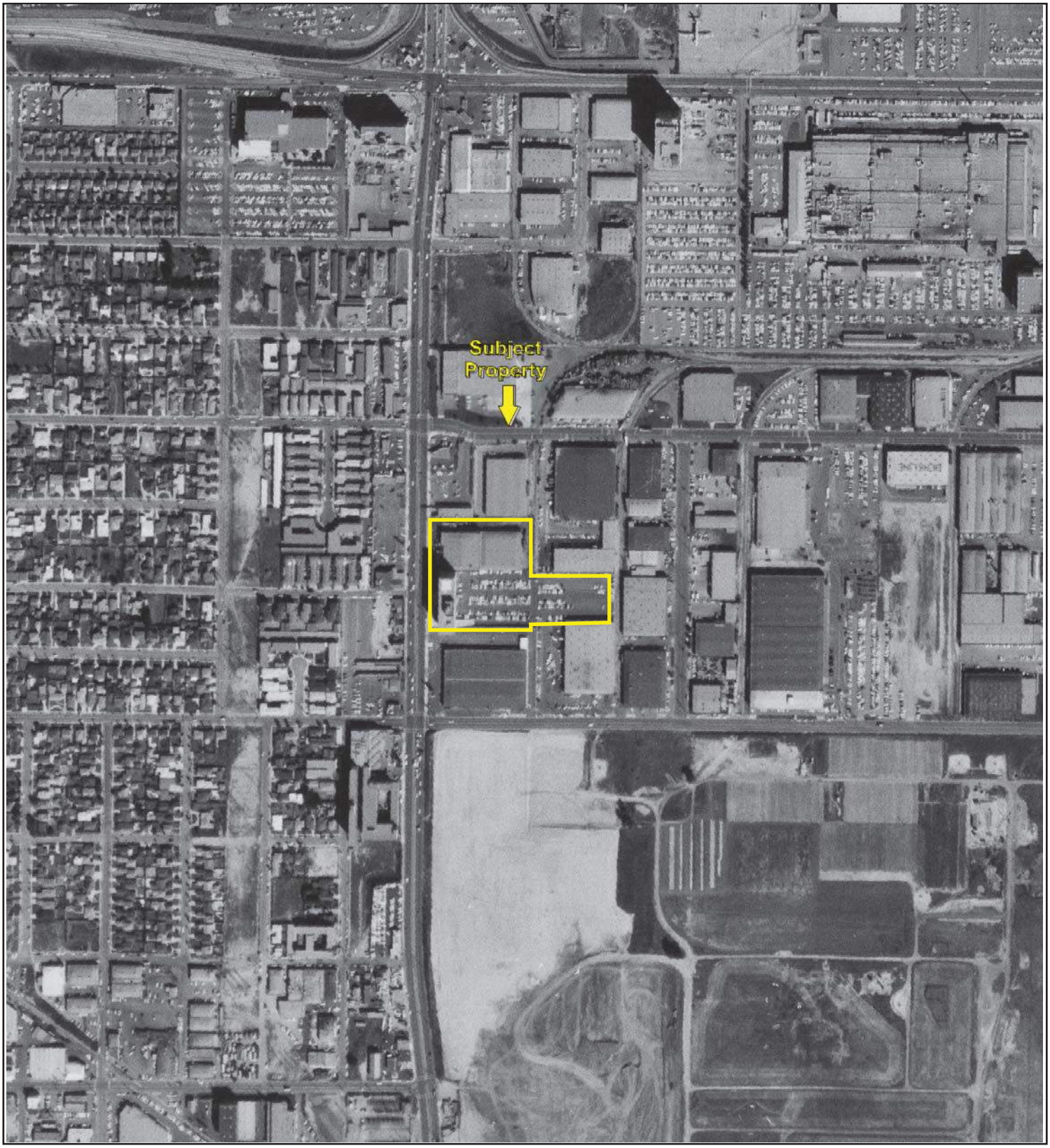

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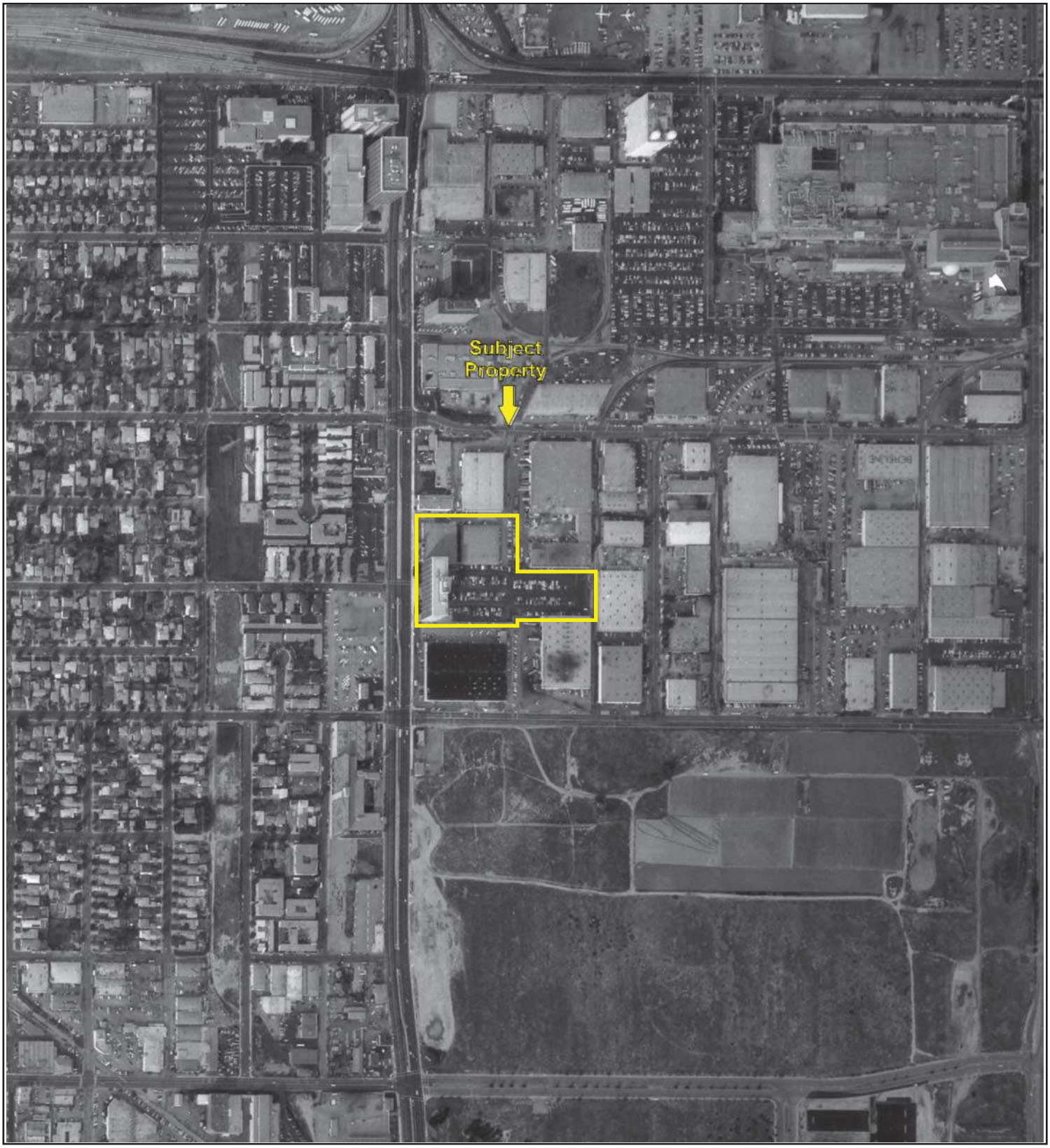

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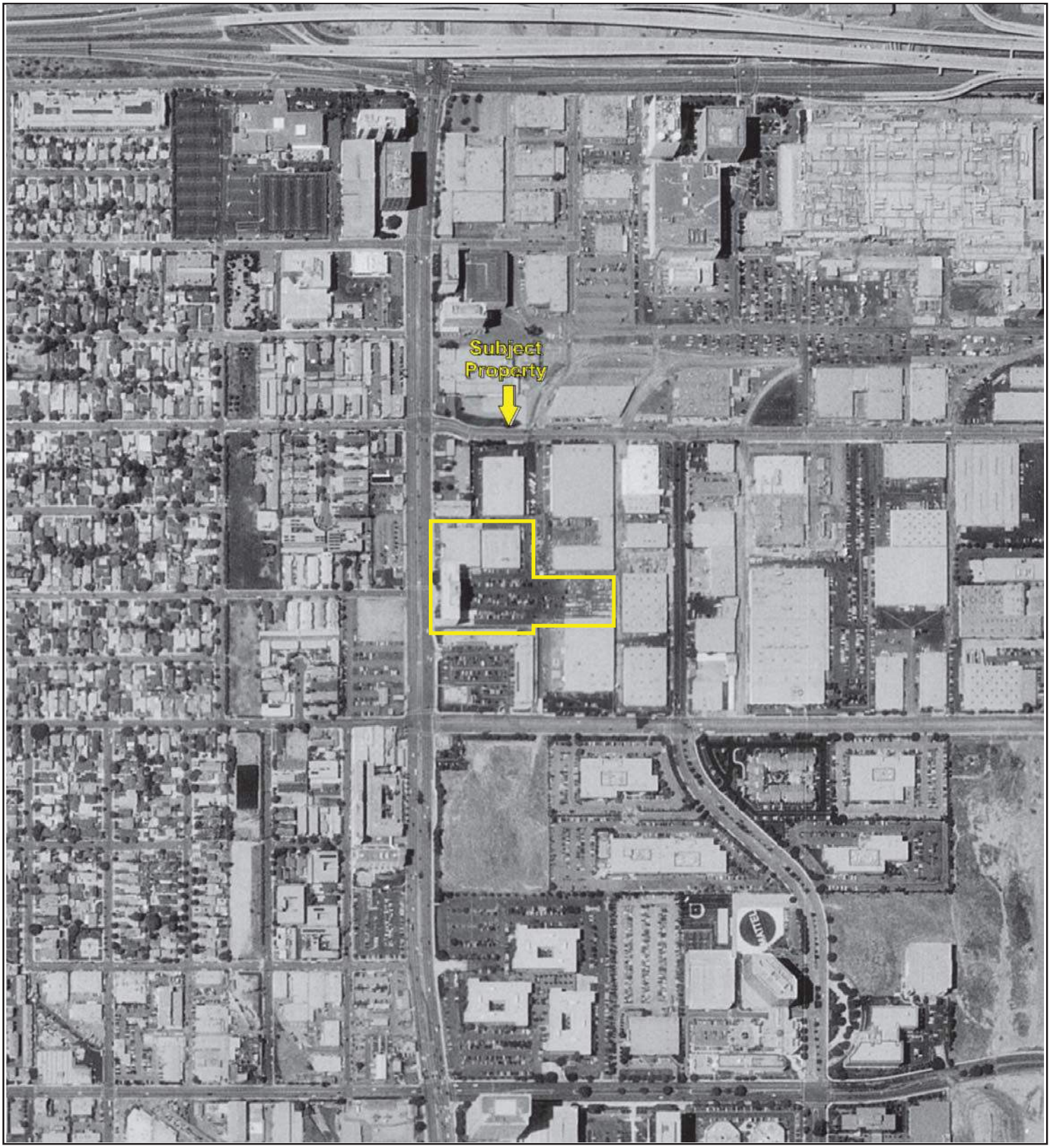

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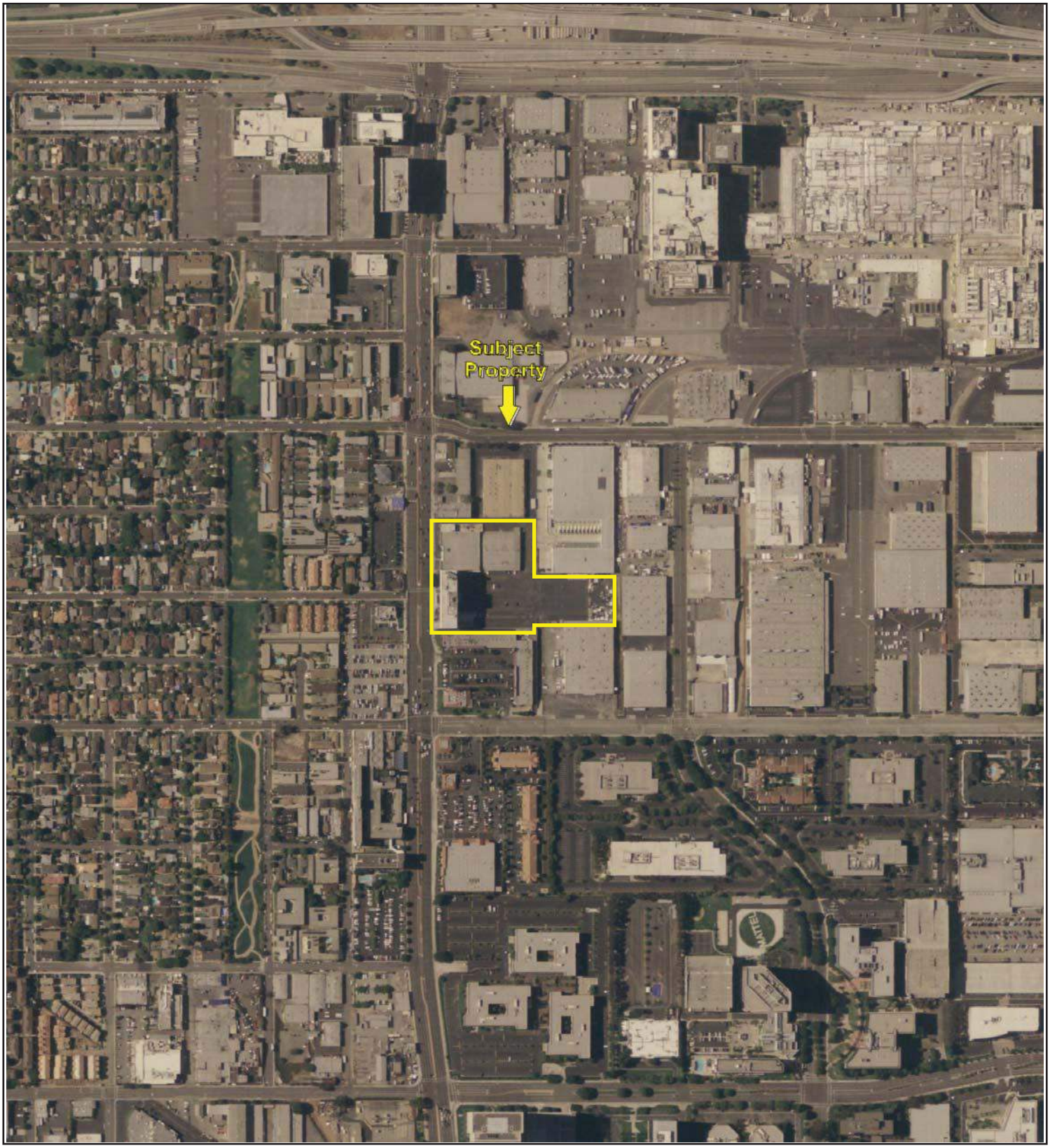

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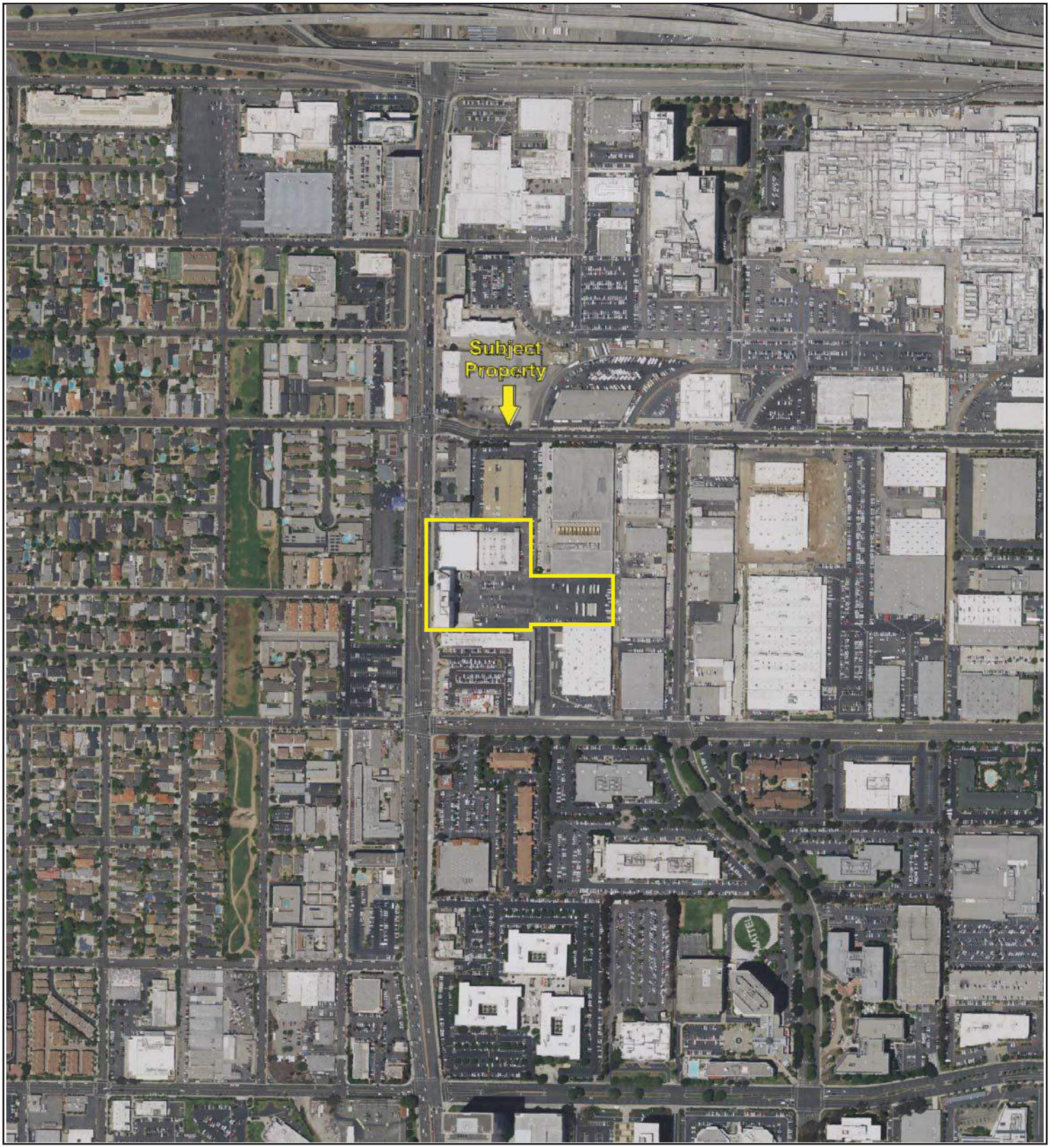

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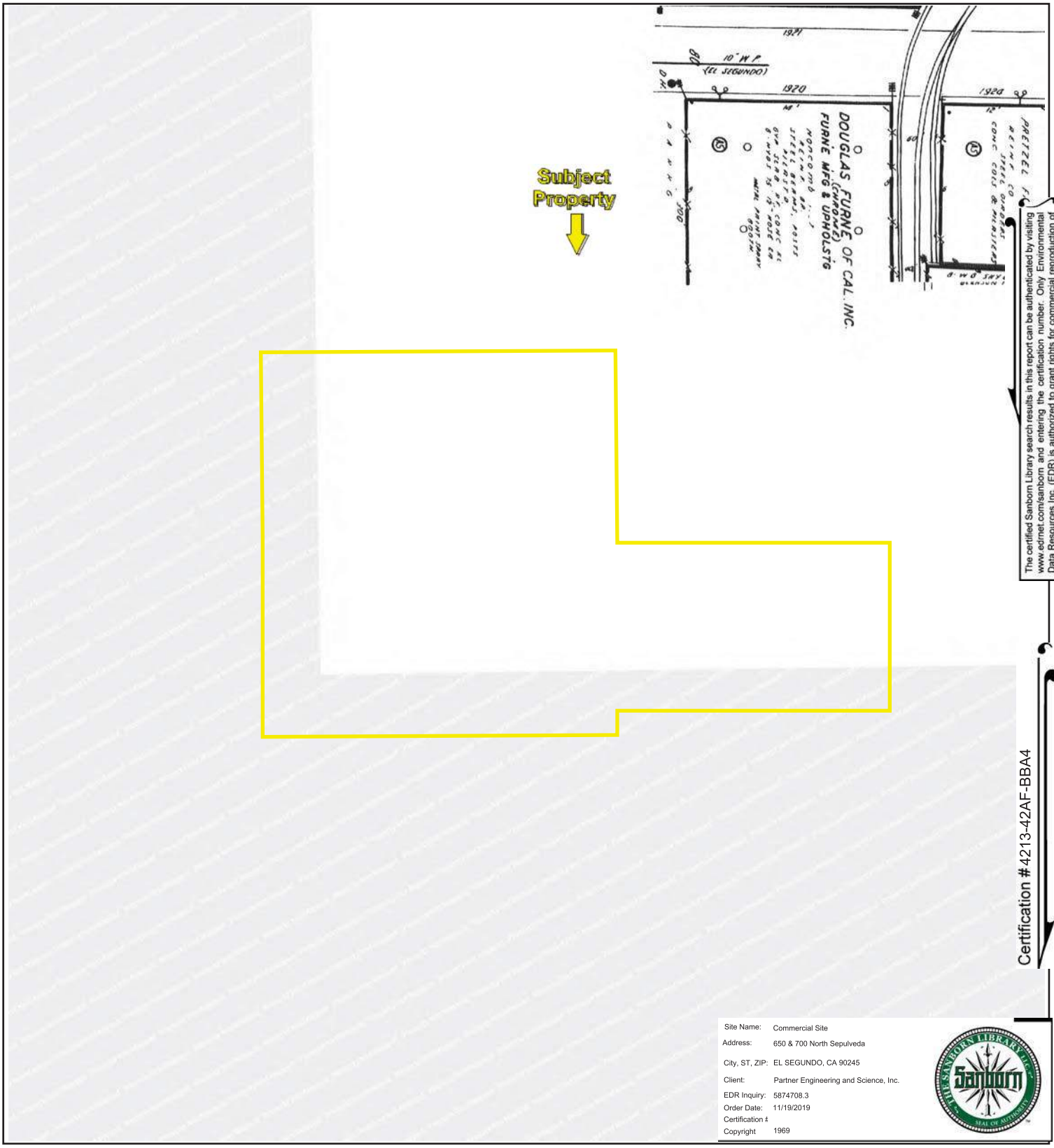

4411 Volume 37, Sheet 4411

0 Feet 150 300 600

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Key: Subject Property

APPENDIX B: Certified Sanborn Maps
Project No. 19-261985.1

Commercial Site
650 & 700 North Sepulveda
EL SEGUNDO, CA 90245

Inquiry Number: 5874708.5
November 19, 2019

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Pacific Bell Telephone Co	-	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
	Pacific Bell Telephone Co	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell Telephone Co	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
	Pacific Telephone Co	-	X	X	-
	Pacific Telephone Co	X	X	X	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
	Pacific Telephone Co	-	X	X	-
	Pacific Telephone Co	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
	Pacific Telephone Co	-	X	X	-
	Pacific Telephone Co	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1966	Pacific Telephone	-	X	X	-
1965	The Pacific Telephone and Telegraph Co	-	X	X	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
	Pacific Telephone and Telegraph Company	-	X	X	-
	Pacific Telephone and Telegraph Company	X	X	X	-
1958	Pacific Telephone	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1957	Pacific Telephone	-	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	X	X	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

650 & 700 North Sepulveda
EL SEGUNDO, CA 90245

FINDINGS DETAIL

Target Property research detail.

N SEPULVEDA BLVD

650 N SEPULVEDA BLVD

Year	*Uses*	*Source*
2001	XXXX	Haines & Company, Inc.
1985	COMPUTER SCIENCES CORPORATION	Pacific Bell
1981	COMPUTER SCIENCES CORPORATION BUSINESS SERVICES DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION CORPORATE HEADQUARTERS EL SEGUNDO	Pacific Telephone
	COMPUTER SCIENCES CORPORATION WESTERN DISTRICT HEADQUARTERS EL SEGUNDO	Pacific Telephone
1980	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION DATA SERVICES GROUP HEADQUARTERS	Pacific Telephone
	COMPUTERT SCIENCES CORPORATION	Pacific Telephone
	Computer Sciences Corporation	Pacific Telephone Co
1975	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION COMMERCIAL DIVISION	Pacific Telephone
	COMPUTER SCIENCES CORPORATION INFORMATION NETWORK DIVISIONS	Pacific Telephone
	Computer Sciences Corporation	Pacific Telephone Co
	CSC Employees Federal Credit Union	Pacific Telephone Co
1971	Computer Sciences Institute	Pacific Telephone
	Computer Sciences Leasing Company	Pacific Telephone
	Development Division	Pacific Telephone
	Information Network Division	Pacific Telephone
1970	COMPUTER SCIENCES CORPORATION	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	Computer Sciences Corporation	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	Honeywell Inc	Pacific Telephone Co
1967	Aerospace & Defense Div	Pacific Telephone
	Aerospace Center	Pacific Telephone
	AEROSPACE LEASING CORP aircrft leasing	Pacific Telephone
	AEROSPACE PRINTING CENTER	Pacific Telephone
	Aetron	Pacific Telephone
	American Bosch Div	Pacific Telephone
	Arma Div	Pacific Telephone
	BUNKER RAMO CORP THE Numerical Control Systems	Pacific Telephone
	Canadair Ltd	Pacific Telephone
	COMPUTER SCIENCES CORP	Pacific Telephone
	Computicket Corp	Pacific Telephone
	GENERAL DYNAMICS CORP	Pacific Telephone
	Grove Valve & Regulator Co Government Aerospace Div	Pacific Telephone
	HONEYWELL INC	Pacific Telephone
	Janitrol Aero Div Midland Ross	Pacific Telephone
	L A Corporate Ofc	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone
	LOCKHEED MISSILES & SPACE CO El Segunda Liaison Ofc	Pacific Telephone
	Los Angeles Sales Ofc	Pacific Telephone
	MECHANICS RESEARCH INC	Pacific Telephone
	NATL SEMICONDUCTOR CORP	Pacific Telephone
	NORTHLAND CAMPS INC	Pacific Telephone
	Panelyte Industrial Div	Pacific Telephone
	Panelyte Industrial Div Thiokol Chemical Corp	Pacific Telephone
	PFEIFFER R JAS ASSOCIATES INC alrcraft brkrs	Pacific Telephone
	RADIATION INC electncs	Pacific Telephone
	Robertson Jas Co	Pacific Telephone
	Sperry Ulah Co Div	Pacific Telephone
	SPRRY RAND CORP Sperry Gyroscope Co Div Marketing Ofc	Pacific Telephone
	Stearns Roger Corp	Pacific Telephone
	SYSTEM SCIENCES CORP	Pacific Telephone
	Tahiti Joe Co	Pacific Telephone
	Tahitian Products Co	Pacific Telephone
	Tele Dynamics Div	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	TELE DYNAMICS DIV AMERICAN BOSCH ARMA CORP	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone
1964	ACF ELECTRONICS DIV OF ACF INDUSTRIES INC	Pacific Telephone
	AEROJET-GENERAL CORP CUSTOMER RELATNS	Pacific Telephone
	AEROSPACE CENTER	Pacific Telephone
	AEROSPACE LEASING CORP AIRCRFT LEASING	Pacific Telephone
	AEROSPACE PRINTING CENTER	Pacific Telephone
	AEROSPACE SECRETARIAL SERV	Pacific Telephone
	AEROSPACE TRAVEL CENTER	Pacific Telephone
	ALLISON DIV GENERAL MOTORS CORP	Pacific Telephone
	AUTOMATION INDUSTRIES INC	Pacific Telephone
	CLINE & FAST PUB RELATNS	Pacific Telephone
	COMPUTER SCIENCES CORP	Pacific Telephone
	DELCO REMY DIV OF GENERAL MOTORS CORP	Pacific Telephone
	DELTA AIR LINES INC DIRECTOR OF FLIGHT EQUIPMENT DEVELOPMENT	Pacific Telephone
	DOUGLAS AIRCRAFT	Pacific Telephone
	GENERAL DYNAMICS CORP OF L A OFC	Pacific Telephone
	GENERAL DYNAMICS ELECTRO DYNAMIC	Pacific Telephone
	GENERAL MOTORS CORP	Pacific Telephone
	GROVE VALVE & REGULATOR CO GOVERNMENT AEROSPACE DIV	Pacific Telephone
	JANITROL-AERO DIV MIDLAND ROSS	Pacific Telephone
	LING-EMCO-OUGHT INC	Pacific Telephone
	LOCKHEED AIRCRAFT CORP MISSILES & SPACE CO	Pacific Telephone
	LTV SEE LING-TEMCO-VOUGHT INC	Pacific Telephone
	MECHANICS RESEARCH INC	Pacific Telephone
	NATIONAL SEMICONDUCTOR CORPORATION	Pacific Telephone
	NORTHLAND CAMPS INC	Pacific Telephone
	PACKARD ELECTRIC DIV OF G M C	Pacific Telephone
	PFEIFFER R JAS ASSOCIATES INC AIRCRAFT BRKRS	Pacific Telephone
	RADIATION INC ELECTRNCS	Pacific Telephone
	REPUBLIC AVIATION CORP	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	TRW CAPACITORS	Pacific Telephone
	TRW ELECTRONICS	Pacific Telephone
	TRW SEMICONDUCTORS INC	Pacific Telephone
	UNIVAC DIVISION SPERRY RAND CORPORATION	Pacific Telephone
1962	Aerojet General Corp	Pacific Telephone
	ALLISON DIV See Genl Motors Corp	Pacific Telephone
	Allison Division Aircraft Engine Operations	Pacific Telephone
	Araerican Bosch Div	Pacific Telephone
	Arma Div	Pacific Telephone
	Computer Sciences Corp	Pacific Telephone
	e Dynamics Div	Pacific Telephone
	e Dynamics Div American Bosch Arma Corp	Pacific Telephone
	General Dynamics Corp L A Ofc	Pacific Telephone
	GENERAL MOTORS CORP	Pacific Telephone
	PACKARD ELECTRIC DIV OF G M C	Pacific Telephone
	Rocket Operations	Pacific Telephone
	THIOKOL CHEMICAL CORP	Pacific Telephone

700 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	DEVLIN PHARMACEUTICALS INC EL SEGUNDO	Pacific Telephone
1980	Devlin Pharmaceuticals Inc	Pacific Telephone Co
1975	Devlln Pharmaceuticals Inc	Pacific Telephone Co
1971	BBC LABORATORIES	Pacific Telephone
	Norton Products	Pacific Telephone
	Tannehill Pharmaceuticals	Pacific Telephone
1970	Rabin Winters Division Of Brunswig Drug	Pacific Telephone Co
1967	Brucemore Inc Rabin Winters Corp	Pacific Telephone
	John David Drug Company Rabin Winters Corparation	Pacific Telephone
	Rabin Winters Corp	Pacific Telephone
1964	PHARMAPAK DRUG CO	Pacific Telephone
	RABIN WINTERS CORP	Pacific Telephone
1962	Brucemore Inc Rabin Winters Corp	Pacific Telephone
	John David Drug Company Rabin Winters Corporation	Pacific Telephone
	Rabin Winters Corp	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	PHARMAPAK DRUG CO	Pacific Telephone
	RABIN COMPANY THE	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E MAPLE AVE

1811 E MAPLE AVE

Year	Uses	Source
1970	Trojan Printers & Stationers	Pacific Telephone Co

1813 E MAPLE AVE

Year	Uses	Source
2001	GOOMAN Paul	Haines & Company, Inc.
1960	MOTEL	Pacific Telephone and Telegraph Company
	X LLOYD ANDREA J EA	Pacific Telephone and Telegraph Company
1950	LOG CABIN MOTEL	Pacific Telephone
1946	Log Cabin Motel	Southern California Telephone Co

E Maple Ave

1910 E Maple Ave

Year	Uses	Source
2010	MAYFLOWER TRANSIT AGENCY	EDR Digital Archive

E MAPLE AVE

1910 E MAPLE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
2000	MARSHALL ELECTRONICS ING	Pacific Bell Telephone Co
1995	MAYFLOWER BOX & SHIP	Pacific Bell Telephone Co
	Mayflower Box & Ship	Pacific Bell
	El Segundo	Pacific Bell
	Bekins Box & Ship See Mayflower Box & Ship	Pacific Bell
	American Eagle Moving	Pacific Bell
	American Eagle	Pacific Bell
1975	Sales	Pacific Telephone
	Seaboard World Airlines Inc	Pacific Telephone Co
1970	Homewood Distributing Co	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1965	HOMEWD DISTRBUTNG SP	The Pacific Telephone and Telegraph Co
	HOMEWOOD DISTR CO E	The Pacific Telephone and Telegraph Co
1960	HOMEWD DISTRBUTNG 5 P	Pacific Telephone and Telegraph Company
	HOMEWOOD DISTR CO	Pacific Telephone and Telegraph Company

1920 E MAPLE AVE

Year	Uses	Source
2000	TURNER CONSTRUCTION CO	Pacific Bell Telephone Co
1980	DOUGLAS FURNITURE OF CALIF E MAPLE AVE EL SEGUNDO	Pacific Telephone
1975	Douglas Furniture Of Calif Inc	Pacific Telephone Co
1970	Douglas Furniture Of Calif Inc	Pacific Telephone Co
1965	DOUGLAS FURN CALIF ORB 5038	The Pacific Telephone and Telegraph Co
	DOUGLAS FURN CALIF E	The Pacific Telephone and Telegraph Co
1960	DOUGLAS FURN CORP	Pacific Telephone
	DOUGLAS FURN CORP OR	Pacific Telephone and Telegraph Company
	DOUGLAS FURN CORP	Pacific Telephone and Telegraph Company

1921 E MAPLE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
2000	STORAGE MASTERS	Pacific Bell Telephone Co
1995	DOUBLE LOCK SELF STORAGE	Pacific Bell Telephone Co
1960	UTILITY CABINET CO OR	Pacific Telephone and Telegraph Company

1924 E MAPLE AVE

Year	Uses	Source
1995	Frito Lay Inc	Pacific Bell
	Fritsch J GIndra	Pacific Bell
1991	Rold old Foods	Pacific Bell
1980	ROLD GOLD FOODS E MAPLE AVE EL SEGUNDO	Pacific Telephone

1925 E MAPLE AVE

Year	Uses	Source
1966	HELENA RUBINSTEIN INC WHSE	Pacific Telephone
1958	Helena Rubinstein Inc whsle	Pacific Telephone

FINDINGS

E MAPLE ST

1910 E MAPLE ST

Year	Uses	Source
1970	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone
	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone
1962	HOMEWOOD DISTRIBUTING CO TOYS	Pacific Telephone

E Palm Ave

1633 E Palm Ave

Year	Uses	Source
2014	MANNA JAPANESE GRILL	EDR Digital Archive

1635 E Palm Ave

Year	Uses	Source
2010	INFINITE IMAGES INC	EDR Digital Archive

E PALM AVE

1701 E PALM AVE

Year	Uses	Source
1950	LAWRENCE DEWITT R	Pacific Telephone

1703 E PALM AVE

Year	Uses	Source
1950	STEAR ROBBIE R	Pacific Telephone

1704 E PALM AVE

Year	Uses	Source
1957	BRAWNER HOWARD W	Pacific Telephone
1954	BRAWNER HOWARD W R	R. L. Polk & Co.
1950	BRAWNER HOWARD W R	Pacific Telephone

1708 E PALM AVE

Year	Uses	Source
1954	LLEWELLYN G A	R. L. Polk & Co.
1950	LI WITYN 6 A R	Pacific Telephone
	UWELLYNR MVARY E R	Pacific Telephone

FINDINGS

1714 E PALM AVE

Year	Uses	Source
1950	HINES CHAS JR	Pacific Telephone

1717 E PALM AVE

Year	Uses	Source
1950	EPP RICHARD J R	Pacific Telephone

1719 E PALM AVE

Year	Uses	Source
1960	CAMPBELL DANL L	Pacific Telephone

1720 E PALM AVE

Year	Uses	Source
1950	BEARD RAY H R	Pacific Telephone
1946	Beard Ray H r	Southern California Telephone Co

1722 E PALM AVE

Year	Uses	Source
1964	EDWARDS SAML E	Pacific Telephone
1960	EDWARDS SAML E	Pacific Telephone
1957	DWARDS SAML E	Pacific Telephone

1723 E PALM AVE

Year	Uses	Source
1957	SIMMONS HELEN J MRS	Pacific Telephone

1725 E PALM AVE

Year	Uses	Source
1960	WINZER BESSIE LEE	Pacific Telephone
1957	WINZER BESSLE LEE	Pacific Telephone

1740 E PALM AVE

Year	Uses	Source
1964	ROSS ISIAH	Pacific Telephone
1960	ROSS ISIAH	Pacific Telephone

1745 E PALM AVE

Year	Uses	Source
1960	WRIGHT HARRISON H	Pacific Telephone

FINDINGS

1747 E PALM AVE

Year	Uses	Source
1957	ELLIS RUBY	Pacific Telephone

1757 E PALM AVE

Year	Uses	Source
1960	SMITH BESSIE MAE	Pacific Telephone

1759 E PALM AVE

Year	Uses	Source
1957	COLEMAN ROSA MARY	Pacific Telephone

1787 E PALM AVE

Year	Uses	Source
1960	AGEE FRED L	Pacific Telephone

1797 E PALM AVE

Year	Uses	Source
1964	CARSON DEWITT	Pacific Telephone
1960	CARSON DEWITT	Pacific Telephone
1957	CARSON DEWITT	Pacific Telephone

1720 1/2 E PALM AVE

Year	Uses	Source
1957	GIBSON ALFRED	Pacific Telephone

1744 1/2 E PALM AVE

Year	Uses	Source
1960	NILES KATIE MAE	Pacific Telephone

Indiana Ct

716 Indiana Ct

Year	Uses	Source
2014	INTRAGLOBAL SOLUTIONS INC	EDR Digital Archive
	BULMAN JAMES L INSURANCE	EDR Digital Archive
2010	BULMAN JAMES L INSURANCE	EDR Digital Archive
	AABLE CAREGIVER LLC	EDR Digital Archive

FINDINGS

INDIANA CT

716 INDIANA CT

Year	Uses	Source
2001	STARDUSTHTL&APTS AMUNDSON Ronald E	Haines & Company, Inc.
	ANDJELEnnque	Haines & Company, Inc.
	WINKOWSKI Ch	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Beckett Peter R	Pacific Bell Telephone Co
	5 Curtin Christopher	Pacific Bell Telephone Co
	6 Olund Harry E	Pacific Bell Telephone Co
	8 Rick Angela I	Pacific Bell Telephone Co
	9 Kawatra Navin	Pacific Bell Telephone Co
	15 Surink Isabella	Pacific Bell Telephone Co
	17 Siamac Mac	Pacific Bell Telephone Co
	18 Martinez Daniel	Pacific Bell Telephone Co
	19 Vecchies Lino	Pacific Bell Telephone Co
	20 De Labio A M	Pacific Bell Telephone Co
	+ 21 Le Thuyvan	Pacific Bell Telephone Co
	28 Berg Glenn E	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	+ 30 Given Thomas T	Pacific Bell Telephone Co
	39 Marino J	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	2 La Laawrence	Pacific Bell Telephone Co
	+ 4 Suman Janes L	Pacific Bell Telephone Co
	4 sattn Janmes L	Pacific Bell Telephone Co
	5 Ward Daniel F	Pacific Bell Telephone Co
	INDIANA CT	Pacific Bell Telephone Co
	Contd 17 Siamac Mac	Pacific Bell Telephone Co
	20 De Lablo A M	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	39 Marino J	Pacific Bell Telephone Co
	41 Ward Daniel F	Pacific Bell Telephone Co
	42 E Winkowski Chester	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	2 Kumm L A	Pacific Bell Telephone Co
	4 Bulman James L	Pacific Bell Telephone Co
	6 Gamber M R	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1990	8 Dilena Ronald	Pacific Bell Telephone Co
	9 Coleman Leola	Pacific Bell Telephone Co
	10 Shurygailo Stan	Pacific Bell Telephone Co
	14 Tani Arnold	Pacific Bell Telephone Co
	17 Siamac Mac	Pacific Bell Telephone Co
	19 Kelly Judith	Pacific Bell Telephone Co
	20 De Labio A M	Pacific Bell Telephone Co
	23 Marino J	Pacific Bell Telephone Co
	25 Kirkman J Stevan	Pacific Bell Telephone Co
	26 Butcher Rod D	Pacific Bell Telephone Co
	28 Evett Judson A	Pacific Bell Telephone Co
	29 Amundson Ronald E	Pacific Bell Telephone Co
	38 Traynor Mary Ann	Pacific Bell Telephone Co
	39 Wheeler Bruce	Pacific Bell Telephone Co
	41 Ward Daniel F	Pacific Bell Telephone Co
	43 Martinez Gracialiano Andre	Pacific Bell Telephone Co
	44 Taylor Doug	Pacific Bell Telephone Co
	42 E Winkowski Chester	Pacific Bell Telephone Co
1980	Stardust Hotel & Apartments	Pacific Telephone Co
	Building	Pacific Telephone Co
	5 Polouzi Davood	Pacific Telephone Co
	6 Williams Jas L	Pacific Telephone Co
	8 Parker Jos T	Pacific Telephone Co
	10 Dorna W E	Pacific Telephone Co
	11 Ziegler David B	Pacific Telephone Co
	15 Roussel Marie Jose	Pacific Telephone Co
	19 Oliver Gordon	Pacific Telephone Co
	20 Coleman Leola	Pacific Telephone Co
	22 Hilliard Dorothy Mrs	Pacific Telephone Co
	25 Duffin Mark F	Pacific Telephone Co
	26 Howard Michael W	Pacific Telephone Co
	27 Ewens Michael W	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co
	31 Mc Donald David B	Pacific Telephone Co
	39 Alsobrook Ben R	Pacific Telephone Co
	41 Traynor Mary Ann	Pacific Telephone Co
	42 Keady Walter	Pacific Telephone Co
	44 Rowland Thos A	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1975	Atchison Tom	Pacific Telephone Co
	Stardust Hotel	Pacific Telephone Co
	Building	Pacific Telephone Co
	1 Ludium NS	Pacific Telephone Co
	2 Me Jia Jose Guerrero	Pacific Telephone Co
	6 Williams Jas L	Pacific Telephone Co
	8 Parker Jos T	Pacific Telephone Co
	9 Asher Rick	Pacific Telephone Co
	10 Dorna W E	Pacific Telephone Co
	11 Jenvay Peter	Pacific Telephone Co
	12 Griffith D	Pacific Telephone Co
	15 Chaney David E	Pacific Telephone Co
	16 Pascoe Don	Pacific Telephone Co
	18 Kahn Vivien	Pacific Telephone Co
	19 Miller Frederick T	Pacific Telephone Co
	20 Peck Dan I F	Pacific Telephone Co
	22 Hilliard Dorothy Mrs	Pacific Telephone Co
	26 WIseley Avis	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co
	29 Ravich GN	Pacific Telephone Co
	31 Fontana Arthur	Pacific Telephone Co
	34 Cravens Tom	Pacific Telephone Co
	37 Baker Joel R	Pacific Telephone Co
	38 Higgins AJ	Pacific Telephone Co
	4 E Wilson Renneck T	Pacific Telephone Co
1970	Stardust Hotel & Apartments	Pacific Telephone Co
	Building	Pacific Telephone Co
	6 Fox C A	Pacific Telephone Co
	9 Sidenfaden Kathryn	Pacific Telephone Co
	10 Dorna WE	Pacific Telephone Co
	12 Van Armnan Donald R	Pacific Telephone Co
	15 Whitehouse Geo	Pacific Telephone Co
	19 Dypwick Paul	Pacific Telephone Co
	20 Katz M	Pacific Telephone Co
	21 Pascoe Don	Pacific Telephone Co
	22 Hillard Dorothy Mrs	Pacific Telephone Co
	25 Parker Jos T	Pacific Telephone Co
	28 Evett Judson A	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	34 Allan Jack	Pacific Telephone Co
	35 Norton Lyie K	Pacific Telephone Co
	36 Bechir Ammar	Pacific Telephone Co
	40 Youngblood Helen	Pacific Telephone Co
	41 Hinkle Roland B	Pacific Telephone Co
	42 Campbell Michael E	Pacific Telephone Co
	43 Vanardenne R	Pacific Telephone Co
	44 Zurin Londa	Pacific Telephone Co
1965	BUILDING	The Pacific Telephone and Telegraph Co
	STAROUST HOTEL APTS E	The Pacific Telephone and Telegraph Co
	INDIANA CT CONT	The Pacific Telephone and Telegraph Co

717 INDIANA CT

Year	Uses	Source
2001	STARDUSTHT 18 APTS BROWNJohn EJr	Haines & Company, Inc.
	CHAPMAN Ch	Haines & Company, Inc.
	A THOMPSON Charits E	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	1 Knowles Barry	Pacific Bell Telephone Co
	4 Brown John Jr	Pacific Bell Telephone Co
	+ 5 Self Orbin G	Pacific Bell Telephone Co
	8 Fletcher Mike	Pacific Bell Telephone Co
	12 Gasheyev Andre	Pacific Bell Telephone Co
	22 Chapman Charles	Pacific Bell Telephone Co
	+ 23 Donaldson Bruce S	Pacific Bell Telephone Co
	25 Palmieri Fred	Pacific Bell Telephone Co
	27 Sanchez J &C	Pacific Bell Telephone Co
	30 Rokosky Robert	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	11 A Robertson Michael G	Pacific Bell Telephone Co
	23 A Thompson Charles E	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	1 Crow Robert	Pacific Bell Telephone Co
	4 Betz Paul	Pacific Bell Telephone Co
	7 Smith P	Pacific Bell Telephone Co
	10 Soler Adrian Sr	Pacific Bell Telephone Co
	23 Gunn Richard	Pacific Bell Telephone Co
	27 Sanchez J&C	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1995	29 Morvan Lucienne	Pacific Bell Telephone Co
	3 A STARDUST HOTEL & APARTMENTS	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	+ 10 A Calderon Willie	Pacific Bell Telephone Co
1990	Gunn Richard	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	2 Cure Sharon L	Pacific Bell Telephone Co
	4 Santone Carol	Pacific Bell Telephone Co
	5 Posey Ralph C	Pacific Bell Telephone Co
	8 Gigante Randy	Pacific Bell Telephone Co
	9 Lovro Roy	Pacific Bell Telephone Co
	11 Wilson D	Pacific Bell Telephone Co
	12 Baum M	Pacific Bell Telephone Co
	22 Minnicucci John	Pacific Bell Telephone Co
	24 Shipper Sander	Pacific Bell Telephone Co
	27 Sanchez J & C	Pacific Bell Telephone Co
	29 Morvan Lucienne	Pacific Bell Telephone Co
	3 A STARDUST HOTEL & APARTMENTS	Pacific Bell Telephone Co
	31 Holbrook Ben C	Pacific Bell Telephone Co
	33 Zumbo Kim	Pacific Bell Telephone Co
	8 A Lastoka Nicholas	Pacific Bell Telephone Co
	11 A Kietel Larry	Pacific Bell Telephone Co
	24 A Cash Kevin M	Pacific Bell Telephone Co
	28 A Jablonski Joseph	Pacific Bell Telephone Co
1980	Valasoo Patricia	Pacific Telephone Co
	Building	Pacific Telephone Co
	2 Stardust Hotel & Apartments	Pacific Telephone Co
	2 Cure Sharon L	Pacific Telephone Co
	3 Smith Patricia R	Pacific Telephone Co
	4 Krzyzak John V	Pacific Telephone Co
	5 Keller Donald	Pacific Telephone Co
	6 Agostini Richard A	Pacific Telephone Co
	7 Mc Gee D	Pacific Telephone Co
	8 Goodman Chas	Pacific Telephone Co
	9 Mc Menamy J	Pacific Telephone Co
	11 Murray Dani	Pacific Telephone Co
	22 Gordon Dan J	Pacific Telephone Co
	24 Poole TR	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	29 Botting John	Pacific Telephone Co
	30 Zimmerman Glenn E	Pacific Telephone Co
	9 A Dilena Ronald	Pacific Telephone Co
1975	Building	Pacific Telephone Co
	2 Guilbert Robt L	Pacific Telephone Co
	3 Schlegel GW G W	Pacific Telephone Co
	8 Godek Thaddeus	Pacific Telephone Co
	9 Van Vranken Richard Bruce	Pacific Telephone Co
	10 Keady Walter	Pacific Telephone Co
	12 Elyash G C	Pacific Telephone Co
	22 Nicas Rodney	Pacific Telephone Co
	23 Mclnerney Mike L	Pacific Telephone Co
	26 Nerl Marl	Pacific Telephone Co
	31 Smith C M	Pacific Telephone Co
	6 W Gage Richard A	Pacific Telephone Co
	9 A Anderson Wm	Pacific Telephone Co
	11 A Wallen Don C	Pacific Telephone Co
	22 A Garnreiter Michael	Pacific Telephone Co
	28 A Hicks Harry H Jr	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Andren John D	Pacific Telephone Co
	2 Molacek Ray	Pacific Telephone Co
	3 Petty L R	Pacific Telephone Co
	4 Beadling Richard	Pacific Telephone Co
	7 Davison Gary D	Pacific Telephone Co
	8 Foster Gary	Pacific Telephone Co
	11 Immergluck S	Pacific Telephone Co
	12 Winters Delta J Mrs	Pacific Telephone Co
	23 Slater AD	Pacific Telephone Co
	25 Debelak M L	Pacific Telephone Co
	27 Johnson Jack W	Pacific Telephone Co
	28 Wells Jefferey W	Pacific Telephone Co
	29 Schick Ernie L	Pacific Telephone Co
	3 A Raymond Jas L	Pacific Telephone Co
	30 Reedy Larry A	Pacific Telephone Co
	32 Barnard Jill	Pacific Telephone Co
	6 A Crandel Jim	Pacific Telephone Co
	8 A Mullane Eugene J	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	22 A Lewis Chas E	Pacific Telephone Co
	24 A Cimo Maria	Pacific Telephone Co
1965	HOTEL CONT	The Pacific Telephone and Telegraph Co

718 INDIANA CT

Year	Uses	Source
2001	DILLMAN DOane	Haines & Company, Inc.
2000	1 Tiedeman E Craig	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1995	1 Tiedeman E Craig	Pacific Bell Telephone Co
	1 Tiedeman E Craig	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	1 Tiedeman E Craig	Pacific Bell Telephone Co
1975	3 Lehman Anna	Pacific Telephone Co
	2 Lowe Russell	Pacific Telephone Co
	Building	Pacific Telephone Co
	1 Williams Ronald	Pacific Telephone Co
1970	4 Hall Judy A	Pacific Telephone Co
	3 Chanez Gene S	Pacific Telephone Co
	1 Mortimer Joan Mrs	Pacific Telephone Co
	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

719 INDIANA CT

Year	Uses	Source
2001	VONPOHLMANNDallas	Haines & Company, Inc.
1995	+ 4 Chen M	Pacific Bell Telephone Co
	1 Okada Joel	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	3 Richard Jeff	Pacific Bell Telephone Co
	1 Okada Joel	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Houlihan Thos	Pacific Telephone Co
	2 Toney Ruby	Pacific Telephone Co
1970	4 Pultz L M	Pacific Telephone Co
	3 Toney Ruby	Pacific Telephone Co
	1 Houlihan Thos	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1970	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

720 INDIANA CT

Year	Uses	Source
2001	JEWELLGlenn B	Haines & Company, Inc.
1995	Building	Pacific Bell Telephone Co
	3 Jewell Glenn B	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	2 Mandigo G C	Pacific Bell Telephone Co
	3 Jewell Glenn B	Pacific Bell Telephone Co
	4 Keenan C J	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	3 Jewell Glenn B	Pacific Telephone Co
	4 Avila Javier D	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	2 Lopez RB	Pacific Telephone Co
	3 Gigena Omar A	Pacific Telephone Co
	4 Avila Javier D	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

721 INDIANA CT

Year	Uses	Source
2001	FREITAGJames	Haines & Company, Inc.
2000	2 Kabzinski Diane E	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	1 Marcott Andy	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Flynn Robert	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Burns Lorraine	Pacific Telephone Co
	3 Demo B	Pacific Telephone Co
	4 Stuthard Leilani	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Smith Fred C	Pacific Telephone Co
	2 Krismer EL	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

FINDINGS

722 INDIANA CT

Year	Uses	Source
2001	WANGJody Y	Haines & Company, Inc.
2000	1 Wang Jody Y	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	3 Ellis Sue	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Keldorf C	Pacific Telephone Co
	3 Casey J	Pacific Telephone Co
	4 Brito Domingo	Pacific Telephone Co
1970	2 Campbell Stanley D	Pacific Telephone Co
	3 Burdick Wilfred J	Pacific Telephone Co
	4 Kemp Rodney J	Pacific Telephone Co
	Building	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

723 INDIANA CT

Year	Uses	Source
2001	MOSSERIMillie	Haines & Company, Inc.
2000	3 Mosseri Millie	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	3 Mosseri Millie	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	2 Gonzales Esteban P	Pacific Bell Telephone Co
	3 Mosseri Millie	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Weiss Marianne	Pacific Telephone Co
	2 Snedden Delores L	Pacific Telephone Co
	3 Mosseri Millie	Pacific Telephone Co
	4 Kelso Sylvia J	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	4 Kelso Sylvia J	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

FINDINGS

Indiana Ct

724 Indiana Ct

Year	Uses	Source
2014	PACIFIC FITNESS PARTNERS LLC	EDR Digital Archive
2010	JB ADVANTAGE INC	EDR Digital Archive

INDIANA CT

724 INDIANA CT

Year	Uses	Source
2001	BROOKSBemard AJr	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Brooks Bernard A Jr	Pacific Bell Telephone Co
	3 Morales A	Pacific Bell Telephone Co
1995	Building	Pacific Bell Telephone Co
	3 Guy Carl	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Bullock Chris & Amber	Pacific Bell Telephone Co
	+ 4 Chu J	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	4 Williams Kenneth	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Hamilton Orville J	Pacific Telephone Co
	3 Mc Climent Elsia	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

725 INDIANA CT

Year	Uses	Source
1995	4 Thomas John C	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	1 Menegazzi Ann	Pacific Telephone Co
	2 Hernandez Jose Luls	Pacific Telephone Co
	3 Tepsupornchal Pornsha	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Graham Chas B	Pacific Telephone Co
	2 Sullivan Michael B	Pacific Telephone Co
1965	BUILDING	The Pacific Telephone and Telegraph Co

FINDINGS

726 INDIANA CT

Year	Uses	Source
2001	KIZIRIANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	3 Wagner Richard	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Cebrain Isabel	Pacific Bell Telephone Co
	4 Newton DG&BL	Pacific Bell Telephone Co
1970	Building	Pacific Telephone Co
	2 Steere Larry E	Pacific Telephone Co
	3 Brookens Gertrude	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

727 INDIANA CT

Year	Uses	Source
2001	KIZIRIANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	4 Wing Hung	Pacific Bell Telephone Co
1970	Building	Pacific Telephone Co
	1 Shire Thos F	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

728 INDIANA CT

Year	Uses	Source
2001	KIZIRII ANJames	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	3 Rangel Celina C	Pacific Bell Telephone Co
1995	4 Wagner Philip S	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	3 Chavarria Jorge	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Chavarria Jorge	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	2 Ramirez Al	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Walker Billy	Pacific Telephone Co
	2 Altman M C	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

FINDINGS

729 INDIANA CT

Year	Uses	Source
2001	BOSTANDJIANChavarch	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	2 Bostandjian Chavarch	Pacific Bell Telephone Co
	+ 2 Bostandlian Hayk C	Pacific Bell Telephone Co
1975	Building	Pacific Telephone Co
	2 Pawlowski Zygmunt	Pacific Telephone Co
	3 Hora H S	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	3 Pawlowski Irene	Pacific Telephone Co
	3 Pawlowski Zygmunt	Pacific Telephone Co
	4 Wallender Dutch	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

730 INDIANA CT

Year	Uses	Source
2001	SMACHADOGregorly	Haines & Company, Inc.
2000	+ 4 Wilton Lorne T Jr	Pacific Bell Telephone Co
	1 Sautner Marion	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1995	2 Jolly B J	Pacific Bell Telephone Co
	1 Sautner Marion	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1990	Building	Pacific Bell Telephone Co
	3 Gabbard Lewis	Pacific Bell Telephone Co
1975	4 Mil Ier CC	Pacific Telephone Co
	1 Valencia Carlos	Pacific Telephone Co
	Building	Pacific Telephone Co
1970	Building	Pacific Telephone Co
	1 Garretson Vernon L	Pacific Telephone Co
	2 Halleen Joan	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

731 INDIANA CT

Year	Uses	Source
2001	SMACHADOGregorly	Haines & Company, Inc.
2000	Building	Pacific Bell Telephone Co
	4 Muncy Roy	Pacific Bell Telephone Co
1990	4 Towery Mike	Pacific Bell Telephone Co

Year	Uses	Source
1990	3 Lawrence Matthew T	Pacific Bell Telephone Co
	1 Magnusson Michael	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
1975	1 Haddad Chart R	Pacific Telephone Co
	Building	Pacific Telephone Co
1970	4 Hatlie Guy	Pacific Telephone Co
	Building	Pacific Telephone Co
	1 Haddad Chari R	Pacific Telephone Co
1965	APARTMENT	The Pacific Telephone and Telegraph Co

N SEPULVEDA BLVD

525 N SEPULVEDA BLVD

Year	Uses	Source
2001	a DISCOVERYRENTA	Haines & Company, Inc.
1991	HACIENDA HOTEL	Pacific Bell
1986	PERSONAL LIMOUSINE SERVICE EL SEGUNDO	Pacific Bell
1981	HEATHER S PLACE EL SEGUNDO	Pacific Telephone
	PLACE EL SEGUNDO	Pacific Telephone
	HUGHES AIRPORT RENT-A-CAR SYSTEM EL SEGUNDO	Pacific Telephone
1980	Hacienda Hotel	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
	Heathers Place	Pacific Telephone Co
	CEst Sheri	Pacific Telephone Co
1975	Hacienda Hotel	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
	Heathers Place	Pacific Telephone Co
	Aero Rent A Car Inc	Pacific Telephone Co
	Payless Car Rental System	Pacific Telephone Co
	Aero Rent A Car Inc	Pacific Telephone Co
1971	HACIENDA HOTEL L A AIRPORT	Pacific Telephone
1970	Hacienda Hotel L A Airport	Pacific Telephone Co
	Hacienda Coiffures	Pacific Telephone Co
	Avis Rent A Car	Pacific Telephone Co
	Los Angeles Interline Club Inc	Pacific Telephone Co
	Hacienda Gift Shop	Pacific Telephone Co
1967	HACIENDA INTERNATIL HOTEL	Pacific Telephone
	Westwood Artists Corp	Pacific Telephone

Year	Uses	Source
1964	LANCASTER S THUNDERBIRD HOTEL MEN S SHOP	Pacific Telephone
	SKODE INDUSTRIES	Pacific Telephone
	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
	WAHINI WAE COIFFURES	Pacific Telephone
1962	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
1960	BROWN WM H	Pacific Telephone
	FLAIR FOR BEAUTY	Pacific Telephone
	FLAIR FOR BEAUTY	Pacific Telephone
	LANCASTERS THUNDERBIRD HOTEL MENS SHOP	Pacific Telephone
	SPANGLER ERIKAW BROWN WM H	Pacific Telephone
	THUNDERBIRD AUTO RENTAL	Pacific Telephone
	THUNDERBIRD INTERNATL HOTEL THE	Pacific Telephone
	TIMES LOS ANGELES FOR NEWS CENTINELA-SOUTH BAY SECTION	Pacific Telephone

N Sepulveda Blvd

600 N Sepulveda Blvd

Year	Uses	Source
2014	WORLDWIDE REST CONCEPTS INC	EDR Digital Archive
	CHUNG ERNEST	EDR Digital Archive
2010	CHUNG ERNEST	EDR Digital Archive
	WORLDWIDE REST CONCEPTS INC	EDR Digital Archive
	AWARDS PLUS	EDR Digital Archive
	LOLIMAX INC	EDR Digital Archive
	SOURCE PROFESSIONAL	EDR Digital Archive

603 N Sepulveda Blvd

Year	Uses	Source
2014	AIRPORT FIVE STAR INC	EDR Digital Archive
	AIRPORT 76	EDR Digital Archive
	L A X AUTO SERVICE	EDR Digital Archive
	E&S TRIPLE 5 CORPORATION	EDR Digital Archive
	KEY CUT EXPRESS	EDR Digital Archive
2010	AIRPORT FIVE STAR INC	EDR Digital Archive
	AIRPORT 76	EDR Digital Archive

Year	Uses	Source
2010	L A X AUTO SERVICE	EDR Digital Archive

N SEPULVEDA BLVD

603 N SEPULVEDA BLVD

Year	Uses	Source
2001	a AIRPORTUNOCAL	Haines & Company, Inc.
1980	Airport Union	Pacific Telephone Co
1975	Witt Jim Union Service Stn	Pacific Telephone Co
1970	Union Oil Dirs Service Stns	Pacific Telephone Co
1964	BEALER S SERV	Pacific Telephone
1960	BEALER S SERV	Pacific Telephone
1957	SEALER S SERV	Pacific Telephone
1946	Holmquist G D	Southern California Telephone Co

609 N SEPULVEDA BLVD

Year	Uses	Source
1980	Tours Unlimited Div Of Aerospace Travel	Pacific Telephone Co
1964	AIMS INC MANGMNT CONSLTNTS	Pacific Telephone

615 N SEPULVEDA BLVD

Year	Uses	Source
1964	FINANCIAL SAVINGS & LOAN ASSN	Pacific Telephone
1960	HARTS ORIGINAL CHICKEN HOUSE	Pacific Telephone
1957	HART ORIGINAL CHICKEN HOUSE	Pacific Telephone
	HART S ORIGINAL CHICKEN HOUSE	Pacific Telephone
1954	HART ORIGINAL CHICKEN HOUSE	R. L. Polk & Co.
	HART S ORIGINAL CHICKEN HOUSE	R. L. Polk & Co.

621 N SEPULVEDA BLVD

Year	Uses	Source
1960	ONE O ONE MOTEL	Pacific Telephone
1957	ONEOONE MOTEL	Pacific Telephone

N Sepulveda Blvd

630 N Sepulveda Blvd

Year	Uses	Source
2014	ALOHA ISLANDS & CHICAGO H	EDR Digital Archive
	PACKAGE DEVICES LLC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	SOUTH SWELL	EDR Digital Archive
	JAKES CUSTOM PRO SHOP LLC	EDR Digital Archive
	JIMS EXOTIC FISH	EDR Digital Archive
	CASH PLUS	EDR Digital Archive
	MOONCHA CORP CASH PLUS	EDR Digital Archive
	CASH UNO	EDR Digital Archive
	WHEN CLEAN MEETS GREEN	EDR Digital Archive
	PLUS AUTO GLASS	EDR Digital Archive
	S A S SERVICES GROUP INC	EDR Digital Archive
	COMBINED BUSINESS SERVICE LTD	EDR Digital Archive
	MANNA JAPANESE GRILL	EDR Digital Archive
	SUBWAY 4401	EDR Digital Archive
	SMARCO S GRILL	EDR Digital Archive
	WIKIWIKI HAWAIIAN BBQ INC	EDR Digital Archive
	LAX PHOTO LAB	EDR Digital Archive
	PETIT CAFE	EDR Digital Archive
	PACIFIC INNOVISION INC	EDR Digital Archive
	ETERNAL SECURE INVESTMENTS INC	EDR Digital Archive
	CV NO 2 INC	EDR Digital Archive
	FREE REIGN INC	EDR Digital Archive
	SUDWAL BROTHERS INCORPORATED	EDR Digital Archive
	ESPERANZA A DE GUZMAN INC	EDR Digital Archive
	SPLICE MAX INC	EDR Digital Archive
	WESTCHESTER WATCH WORKS	EDR Digital Archive
	SM AMERICA INC	EDR Digital Archive
	MINNOW VIEW LAKE INC	EDR Digital Archive
	TRI-CLEANERS	EDR Digital Archive
	VECTOR COMPUTER CORP	EDR Digital Archive
	BEAUTY 21	EDR Digital Archive
	SPORT CLIPS	EDR Digital Archive
	BEACH MASSAGE & DAY SPA	EDR Digital Archive
	KINKOS COPIES	EDR Digital Archive
	FEDEX OFFICE & PRINT SVCS INC	EDR Digital Archive
	PK SIGNS INC	EDR Digital Archive
	GALEN HEISEY LLC	EDR Digital Archive
	ALEM EXPRESS LIMOUSINE	EDR Digital Archive
	CHILE VERDE MEXICAN RESTAURANT	EDR Digital Archive
	EXPRESS CHINESE FOOD	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	POLLO WEST CORP	EDR Digital Archive
	MADNAS JIM	EDR Digital Archive
2010	ALEM EXPRESS LIMOUSINE	EDR Digital Archive
	CHILE VERDE MEXICAN RESTAURANT	EDR Digital Archive
	EXPRESS CHINESE FOOD	EDR Digital Archive
	POLLO WEST CORP	EDR Digital Archive
	PK SIGNS INC	EDR Digital Archive
	BEACH MASSAGE & DAY SPA	EDR Digital Archive
	KINKOS COPIES	EDR Digital Archive
	FEDEX KNKOS OFF PRINT SVCS INC	EDR Digital Archive
	VECTOR COMPUTER CORP	EDR Digital Archive
	EVENT SUPPORT GROUP INC	EDR Digital Archive
	BEAUTY 21	EDR Digital Archive
	CALIFORNIA EATERY	EDR Digital Archive
	ETERNAL SECURE INVESTMENTS INC	EDR Digital Archive
	TRI-CLEANERS	EDR Digital Archive
	PLUS AUTO GLASS	EDR Digital Archive
	PACIFIC INNOVISION INC	EDR Digital Archive
	S A S SERVICES GROUP INC	EDR Digital Archive
	COMBINED BUSINESS SERVICE LTD	EDR Digital Archive
	CLEAN ENTERPRISE OPERATION	EDR Digital Archive
	HERO BAIL BONDS	EDR Digital Archive
	A BAIL BONDS	EDR Digital Archive
	007 BAIL BONDS	EDR Digital Archive
	GALEN HEISEY LLC	EDR Digital Archive
	BHR PROPERTY MANAGEMENT LLC	EDR Digital Archive
	PETIT CAFE	EDR Digital Archive
	WIKIWIKI HAWAIIAN BBQ INC	EDR Digital Archive
	MANNA JAPANESE GRILL	EDR Digital Archive
	SUBWAY 4401	EDR Digital Archive
	SMARCO S GRILL	EDR Digital Archive
	MADNAS JIM	EDR Digital Archive
	LAX PHOTO LAB	EDR Digital Archive
	HELP-U-SELL AIRPORT REALTY	EDR Digital Archive
	PACHECO PEDRO SR	EDR Digital Archive
	DWYER MONICA LIN	EDR Digital Archive
	CV NO 2 INC	EDR Digital Archive
	FREE REIGN INC	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	SUDWAL BROTHERS INCORPORATED	EDR Digital Archive
	PMGP INC	EDR Digital Archive
	SPLICE MAX INC	EDR Digital Archive
	JODAT CORP	EDR Digital Archive
	SM AMERICA INC	EDR Digital Archive
	CRABIE INC	EDR Digital Archive
	NIMCO CORP	EDR Digital Archive
	MINNOW VIEW LAKE INC	EDR Digital Archive
	COMFORT CARE	EDR Digital Archive
	JIMS EXOTIC FISH	EDR Digital Archive
	MOONCHA CORP CASH PLUS	EDR Digital Archive
	SOUTH BAY BANK	EDR Digital Archive
	CASH PLUS	EDR Digital Archive
	FIRST CLASS AVIATOR	EDR Digital Archive
	IDJ MARKETING LLC	EDR Digital Archive
	JAKES CUSTOM PRO SHOP LLC	EDR Digital Archive
	GOODWILL INDS SOUTHERN CAL	EDR Digital Archive
	SOUTH SWELL SPORTS	EDR Digital Archive
	YOUN HI LEE	EDR Digital Archive
	HERMOSA WIRELESS	EDR Digital Archive
	CABLE LATINO INC	EDR Digital Archive
	RHINESTONE INVESTMENT GROUP	EDR Digital Archive
	ALOHA ISLANDS & CHICAGO H	EDR Digital Archive

N SEPULVEDA BLVD

630 N SEPULVEDA BLVD

Year	Uses	Source
2001	BUILDING	Haines & Company, Inc.
	BUILDING	Haines & Company, Inc.

637 N SEPULVEDA BLVD

Year	Uses	Source
1960	KING S ART SHOP	Pacific Telephone
1957	KING S ARTESIA SHOP	Pacific Telephone
1954	KING S ARTESIA SHOP	R. L. Polk & Co.

FINDINGS

N Sepulveda Blvd

639 N Sepulveda Blvd

Year	Uses	Source
2014	CARL KARCHER ENTERPRISES INC	EDR Digital Archive
2010	CARL KARCHER ENTERPRISES INC	EDR Digital Archive

N SEPULVEDA BLVD

639 N SEPULVEDA BLVD

Year	Uses	Source
2001	a CARLSJR	Haines & Company, Inc.
1957	KING VIRGIL	Pacific Telephone
1954	NAVAJO HOGAN GIFTS	R. L. Polk & Co.

645 N SEPULVEDA BLVD

Year	Uses	Source
1962	Basketville	Pacific Telephone
1960	BASKETVILLE	Pacific Telephone
1957	BASKETVILLE	Pacific Telephone
1954	BASKETVILLE	R. L. Polk & Co.
1946	One Hundred One Flower Shop	Southern California Telephone Co

656 N SEPULVEDA BLVD

Year	Uses	Source
1967	Sperry Semiconductor Co Div	Pacific Telephone

690 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	AEROSPACE TRAVEL CENTER EL SEGUNDO	Pacific Telephone
	CLASSIC HOUSE INC EL SEGUNDO	Pacific Telephone
	RABIN ALLEN H EL SEGUNDO	Pacific Telephone
1980	Aerospace Travel Center	Pacific Telephone Co
	Wordz	Pacific Telephone Co
	Engers G S &Co	Pacific Telephone Co
	Aerospace Travel Center	Pacific Telephone Co
	Building	Pacific Telephone Co
	118 Tokunow Joyce	Pacific Telephone Co
	118 Future Technology Corp	Pacific Telephone Co

FINDINGS

Year	Uses	Source
1980	124 Green Melvin	Pacific Telephone Co
	128 Bofird Fred Co	Pacific Telephone Co
1975	Aerospace Travel Center	Pacific Telephone Co
	Building	Pacific Telephone Co
	120 Merchants Guard Systems	Pacific Telephone Co
	120 A Green Melvyn	Pacific Telephone Co
1971	Aerospace Travel Center	Pacific Telephone
	Rabin Allen H	Pacific Telephone
	Rabin Bruce W	Pacific Telephone
1970	Canon Electronic Business Products	Pacific Telephone Co
	Aerospace Travel Center	Pacific Telephone Co
1967	Aerospace Travel Center	Pacific Telephone
	T A T A Ltd	Pacific Telephone
1964	A I M S INC MNGMNT CONSLTNTS	Pacific Telephone
	AUTOMATED INFORMATION MANAGEMENT SYSTEMS INC	Pacific Telephone
1962	THIOKOL CHEMICAL CORP	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Aeronautics Div	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Astronautics Div	Pacific Telephone
	Chance Vought Corp A Subsidiary of Ling Temco Vought Inc	Pacific Telephone
	Ranege Systems Div	Pacific Telephone
	Chance Vought Western Region Ofc	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone
	Electronics Products Group	Pacific Telephone
	LING TEMCO VOUGHT INC	Pacific Telephone
	Natl Semi Conductor Corp	Pacific Telephone
	Radiation Inc electrncs R	Pacific Telephone
	System Services Div	Pacific Telephone
	El Segundo	Pacific Telephone
	WESTERN AIRLINES City Ticket Offices	Pacific Telephone
	Aerospace Travel Center Inc	Pacific Telephone
1960	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone

Year	Uses	Source
1960	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	CHANCE VOUGHT AIRCRAFT INC	Pacific Telephone
	HUGHES AIRCRAFT CO COMPONENTS GROUP	Pacific Telephone
	NATL SEML CONDUCTOR CORP	Pacific Telephone
	RADIATION INC ELECTROCS	Pacific Telephone
	ROCKET OPERATIONS	Pacific Telephone
	WESTERN AIRLINES	Pacific Telephone
	WESTERN AIRLINES	Pacific Telephone

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707 N Sepulveda Blvd

Year	Uses	Source
2010	STICK & STEIN EATERY & SPORTS	EDR Digital Archive

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Year	Uses	Source
2001	STICKUSTEIN EATERY	Haines & Company, Inc.
1980	Jolly Roger Restaurant	Pacific Telephone Co
1975	Jolly Roger Restaurant	Pacific Telephone Co
1970	Jolly Roger Restaurant	Pacific Telephone Co
1967	Reservations	Pacific Telephone
	ROBBS RESTAURANT Main Ofc	Pacific Telephone
1962	ROBBS RESTAURANT	Pacific Telephone
1960	ROBBS RESTAURANT	Pacific Telephone
	STEEPLECHASE ROOM ROBB S RESTAURANT	Pacific Telephone

739 N SEPULVEDA BLVD

Year	Uses	Source
1957	BIG S THE	Pacific Telephone
1954	JAY JR DRIVE-IN	R. L. Polk & Co.

740 N SEPULVEDA BLVD

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Year	Uses	Source
1981	FIRST INTERSTATE BANK OF CALIFORNIA	Pacific Telephone
1980	United California Bank	Pacific Telephone Co
1975	United California Bank	Pacific Telephone Co
1971	El Segundo Ofc	Pacific Telephone
	UNITED CALIFORNIA BANK Contd OTHER BRANCH OFFICES Beverly Hills Offices	Pacific Telephone
1970	United California Bank	Pacific Telephone Co
1962	UNITED CALIFORNIA BANK Branch Offices Office	Pacific Telephone
	UNITED CALIFORNIA BANK Branch Offices Office	Pacific Telephone
1960	CALIFORNIA BANK BELLFOWER OFC	Pacific Telephone

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Year	Uses	Source
2014	SEGUNDOHOP INC	EDR Digital Archive
2010	SEGUNDOHOP INC	EDR Digital Archive

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Year	Uses	Source
2001	PINQELChristopher	Haines & Company, Inc.
1980	Woodys Smorgasburger	Pacific Telephone Co
1975	Woodys Smorgasburger	Pacific Telephone Co
1970	Woodys Smorgasburger	Pacific Telephone Co
1964	SMORGASBURGER WOODY S	Pacific Telephone
	WOODY S SMORGASBURGER	Pacific Telephone
1960	CAMERON NEIL POTTERY	Pacific Telephone
1957	CAMERON NEIL POTTERY	Pacific Telephone

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Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	Sullivans Barber Shop	Pacific Telephone Co
1975	Teds Barber Shop	Pacific Telephone Co
1970	Teds Barber Shop	Pacific Telephone Co
1964	TED S BARBER SHOP	Pacific Telephone

Year	Uses	Source
1960	TED S BARBER SHOP	Pacific Telephone

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Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	Her Closet	Pacific Telephone Co
1975	Her Closet	Pacific Telephone Co
1970	Her Closet	Pacific Telephone Co
1964	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Telephone
	MOTTA BROS AUTO PARTS & SERV	Pacific Telephone
1962	Stiewel Ken Ins Agcy	Pacific Telephone
	Motta Bros Auto Parts & Serv	Pacific Telephone
1960	STIEWEL KEN INS AGCY	Pacific Telephone
	MOTTA BROS AUTO PARTS & SERV	Pacific Telephone

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Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	B & P Auto Parts	Pacific Telephone Co
1975	B & P Auto Parts	Pacific Telephone Co
	State Farm Insurance Companies	Pacific Telephone Co
1970	B & P Auto Parts	Pacific Telephone Co
	State Farm Insurance Companies	Pacific Telephone Co
1964	TERRY S TOP SHOP	Pacific Telephone
1960	TERRY S TOP SHOP	Pacific Telephone

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Year	Uses	Source
1990	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Bell
1986	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Bell
1981	MOTTA BROS AUTO PARTS & SERVICE EL SEGUNDO	Pacific Telephone
1980	Motta Bros Auto Parts & Service	Pacific Telephone Co
	Motta Brothers Automotive Center	Pacific Telephone Co
1975	Motta Bros Auto Parts & Service	Pacific Telephone Co
	Motta Brothers Automotive Center	Pacific Telephone Co
1971	Motta Bros Auto Parts & Service	Pacific Telephone
1970	Motta Bros Auto Parts & Service	Pacific Telephone Co

Year	Uses	Source
1970	Motta Brothers Automotive Center	Pacific Telephone Co
1967	Motta Bros Auto Parts & Service	Pacific Telephone

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Year	Uses	Source
2014	CARDTRONICS	EDR Digital Archive
	CIRCLE K STORES INC	EDR Digital Archive
	CAR KEY AND MORE	EDR Digital Archive
2010	EXXON MOBIL CORPORATION	EDR Digital Archive
	CARDTRONICS	EDR Digital Archive

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Year	Uses	Source
1980	Motta Bros Shell Service	Pacific Telephone Co
1975	Motta Bros Shell Service	Pacific Telephone Co
1970	Motta Bros Shell Service	Pacific Telephone Co
1964	MOTTA BROS SHELL SERV	Pacific Telephone
1960	MOTTA BROS	Pacific Telephone
1954	MVOTTA BROS	R. L. Polk & Co.
1946	M & S Serv	Southern California Telephone Co

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Year	Uses	Source
2014	BOBS UNION INC	EDR Digital Archive
	LOS ANGELES OPEN DOOR	EDR Digital Archive
2010	BOBS UNION INC	EDR Digital Archive

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Year	Uses	Source
2001	BOBSUNIONSERVICE	Haines & Company, Inc.
1980	Bobs Union Service	Pacific Telephone Co
1975	Bobs Union Service	Pacific Telephone Co

Year	Uses	Source
1975	Union Oil Dirs Service Stns	Pacific Telephone Co
1970	Baileys Union Service	Pacific Telephone Co
1964	UNION OIL DLRS SERV STN	Pacific Telephone
	BAILEYS UNION SERV	Pacific Telephone
1960	BAILEYS UNION SERV	Pacific Telephone

800 N SEPULVEDA BLVD

Year	Uses	Source
2001	a DYNASTY FOOTWEAR	Haines & Company, Inc.
1960	AMERICAN SEATING CO	Pacific Telephone
1957	AMERICAN SEATING CO	Pacific Telephone

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Year	Uses	Source
2014	SEYCHELLES IMPORTS LLC	EDR Digital Archive
2010	SEYCHELLES IMPORTS LLC	EDR Digital Archive
	SEYCHELLES	EDR Digital Archive

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Year	Uses	Source
1986	HARRIS S JEFFREY MD EL SEGUNDO	Pacific Bell
	LAX MEDICAL CLINIC EL SEGUNDO	Pacific Bell
1985	L A X MEDICAL CLINIC	Pacific Bell
1980	Goodley Professional Dental Corp	Pacific Telephone Co
1975	Sepulveda Medical Group	Pacific Telephone Co
1971	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1970	Sepuiveda Medical Group	Pacific Telephone Co
1967	Bones W E MD Sepulveda Medical Group	Pacific Telephone
	Frierson H R MD Sepulveda Medical Group	Pacific Telephone
	Gaynor Sanford H MD Sepulveda Medical Group	Pacific Telephone
	Gelfan Mitchell M OD	Pacific Telephone
	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1964	SEPULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
1962	Bones W E MD Sepulveda Medical Group	Pacific Telephone
	Frierson H R MD Sepulveda Medical Group	Pacific Telephone
	Gelfan Mitchell M OD	Pacific Telephone
	Herman Bernard G MD Sepulveda Medical Group	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1960	SEPULVEDA MEDICAL GROUP	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
1957	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	BONES W E MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	FRIERSON H R MD SEPDLVEDA MEDICAL GROUP	Pacific Telephone
	FRIERSON H R MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	GELFAN MITCHELL M OD	Pacific Telephone
	GELLAN MITCHELL N OD	Pacific Telephone
	HERMAN BERNARD G MD SEPULVEDA MEDICAL GROAP	Pacific Telephone
	HERMAN BERNARD0MD SEPULVEDA MEDICAL GROUP	Pacific Telephone
	SEPULVEDAULVEDA MEDICAL GROUP	Pacific Telephone
	SEPULVEDA MEDICAL GROUP	Pacific Telephone
1954	HUMPHRIES JIM C STANDARD PRESSED STEEL CO	R. L. Polk & Co.
	HURFORD DAVID J STANDARD PRESSED STEEL CO	R. L. Polk & Co.
	MAHON JACK STANDARD PRESSED STEEL CO	R. L. Polk & Co.

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SEPULVEDA BLVD N

630 SEPULVEDA BLVD N

Year	Uses	Source
2000	EL POLLO LOCO	Pacific Bell Telephone Co
	JIMS EXOTIC FISH	Pacific Bell Telephone Co
	GOODWILL INDUSTRIES OF SOUTHERN CALIFORNIA	Pacific Bell Telephone Co
	BRONZE BUNS TANNING SALON	Pacific Bell Telephone Co
	PHAM MINHHOA LINDA	Pacific Bell Telephone Co
	Building	Pacific Bell Telephone Co
	7 LEONARDS LIQUOR STORE	Pacific Bell Telephone Co
	PETIT CAFE	Pacific Bell Telephone Co
1995	38 ALOHA ISLANIDC A Ch ICAGO HOT DOGGERY	Pacific Bell Telephone Co
	28 SUBWAY SANDWICHES STORE	Pacific Bell Telephone Co
	2 A 2001 FLAVORS	Pacific Bell Telephone Co
	+ 17 KINKOS LASERTYPE	Pacific Bell Telephone Co
	17 KINKOS COPIES	Pacific Bell Telephone Co
	A 3 PETIT CAFE	Pacific Bell Telephone Co
	7 LEONARDS LIt UOR STORE	Pacific Bell Telephone Co
	CENTER	Pacific Bell Telephone Co
	PRO ACUPRESSURE	Pacific Bell Telephone Co
	EL POLLO LOCO	Pacific Bell Telephone Co
	44 EXPRESS CHINESE FOOD	Pacific Bell Telephone Co

639 SEPULVEDA BLVD N

Year	Uses	Source
2000	CARLS JR	Pacific Bell Telephone Co

707 SEPULVEDA BLVD N

Year	Uses	Source
2000	STICK & STEIN EATERY	Pacific Bell Telephone Co
1995	STICK A STEIN EATERY A SPORTS BAR	Pacific Bell Telephone Co
	JOLLY ROGER RESTAURANT	Pacific Bell Telephone Co
1990	JOLLY ROGER RESTAURANT	Pacific Bell Telephone Co

755 SEPULVEDA BLVD N

Year	Uses	Source
2000	WOODYS BROILER	Pacific Bell Telephone Co

Year	Uses	Source
1995	WOODn S SMORGASBURGER	Pacific Bell Telephone Co
	WOODYS SMORGASBURGER	Pacific Bell Telephone Co
	SMRIGASBURGER	Pacific Bell Telephone Co
	WOODYS	Pacific Bell Telephone Co
1990	WOODYS SMORGASBURGER	Pacific Bell Telephone Co
	WOODn S SMORGASBURGER	Pacific Bell Telephone Co

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Year	Uses	Source
1995	HAIt O SPACE CO	Pacific Bell Telephone Co
	HAIR C SPACE CO	Pacific Bell Telephone Co
1990	HAIR C SPACE CO	Pacific Bell Telephone Co

759 SEPULVEDA BLVD N

Year	Uses	Source
1995	BRAZIL R 1 US IMPORT A EXPORTC NC	Pacific Bell Telephone Co
	HER CLOSET	Pacific Bell Telephone Co
1990	HER CLOSET	Pacific Bell Telephone Co

761 SEPULVEDA BLVD N

Year	Uses	Source
1995	B & P AUTO PARTS	Pacific Bell Telephone Co
	B A P AUTO PARTS	Pacific Bell Telephone Co
1990	B & P AUTO PARTS	Pacific Bell Telephone Co

763 SEPULVEDA BLVD N

Year	Uses	Source
1995	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Bell Telephone Co
	MOTTA BROS AUTO PARTS & SERVICE	Pacific Bell Telephone Co
	MOTTA BROTHERS	Pacific Bell Telephone Co
1990	MOTTA BROS AUTO PARTS & SERVICE	Pacific Bell Telephone Co
	MOTTA BROTHERS AUTOMOTIVE CENTER	Pacific Bell Telephone Co

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Year	Uses	Source
2000	BOBS UNION SERVICE	Pacific Bell Telephone Co
	BOBS UNION SERVICE	Pacific Bell Telephone Co
1995	BOBS UNION SERVICE	Pacific Bell Telephone Co

FINDINGS

Year	Uses	Source
1990	BOBS UNION SERVICE	Pacific Bell Telephone Co

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Year	Uses	Source
2000	DYNASTY FOOTWEAR LTD	Pacific Bell Telephone Co
	DYNASTY FOOTWEAR LTD	Pacific Bell Telephone Co

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Year	Uses	Source
1995	DANIEL FREMAN LAX+ MEDI CA n CIC	Pacific Bell Telephone Co
	SEPULVEDA BL N	Pacific Bell Telephone Co
	SEPULVEDA BL N	Pacific Bell Telephone Co
	DANIEL FREEMAN LAX MEDICAL CLINIC	Pacific Bell Telephone Co
	DANIEL FREEMAN READICARE	Pacific Bell Telephone Co
1990	DANIEL FREEMAN READICARE	Pacific Bell Telephone Co

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1633 E Palm Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1635 E Palm Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1701 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1703 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1704 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1708 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1714 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1717 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1719 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1720 1/2 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1720 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1722 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1723 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1725 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1740 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1744 1/2 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1745 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1747 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1757 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1759 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1787 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1797 E PALM AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1811 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1813 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E Maple Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1910 E MAPLE ST	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1920 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1921 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1924 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1925 E MAPLE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
525 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1990, 1985, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
600 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
603 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
603 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
609 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
621 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
630 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
637 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
639 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
645 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
656 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
690 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 N Sepulveda Blvd	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 Indiana Ct	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
717 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
718 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
719 INDIANA CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
720 INDIANA CT	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
722 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
724 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
724 Indiana Ct	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
725 INDIANA CT	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
726 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
727 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
728 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
729 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
730 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
731 INDIANA CT	2014, 2010, 2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
740 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1976, 1972, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
757 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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759 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
759 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
761 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
761 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1976, 1972, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
765 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
765 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
770 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
770 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

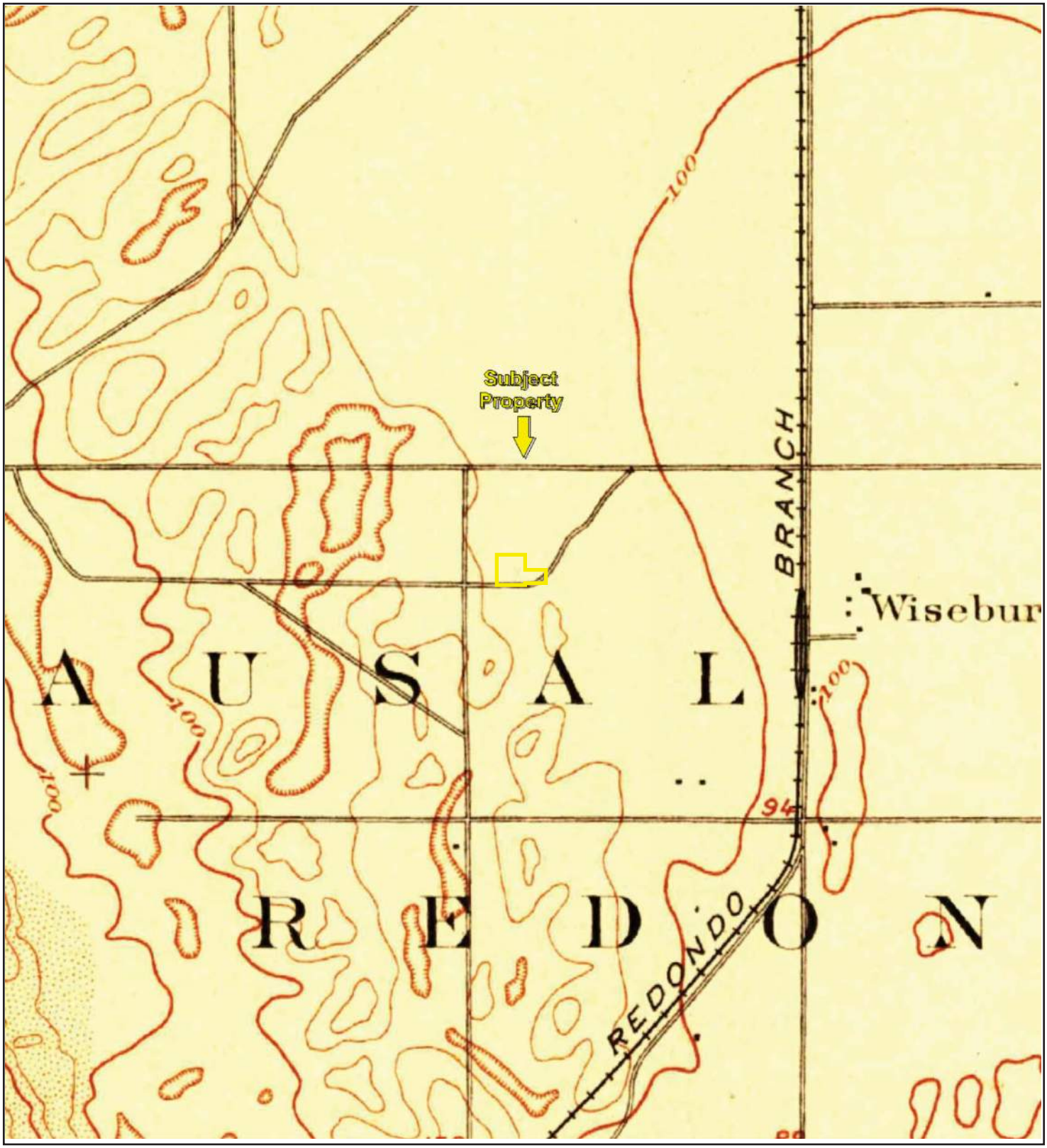
FINDINGS

Address Researched	Address Not Identified in Research Source
770 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
800 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 N SEPULVEDA BLVD	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1981, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 N Sepulveda Blvd	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
815 SEPULVEDA BLVD N	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
650 & 700 North Sepulveda	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1976, 1972, 1969, 1966, 1965, 1963, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

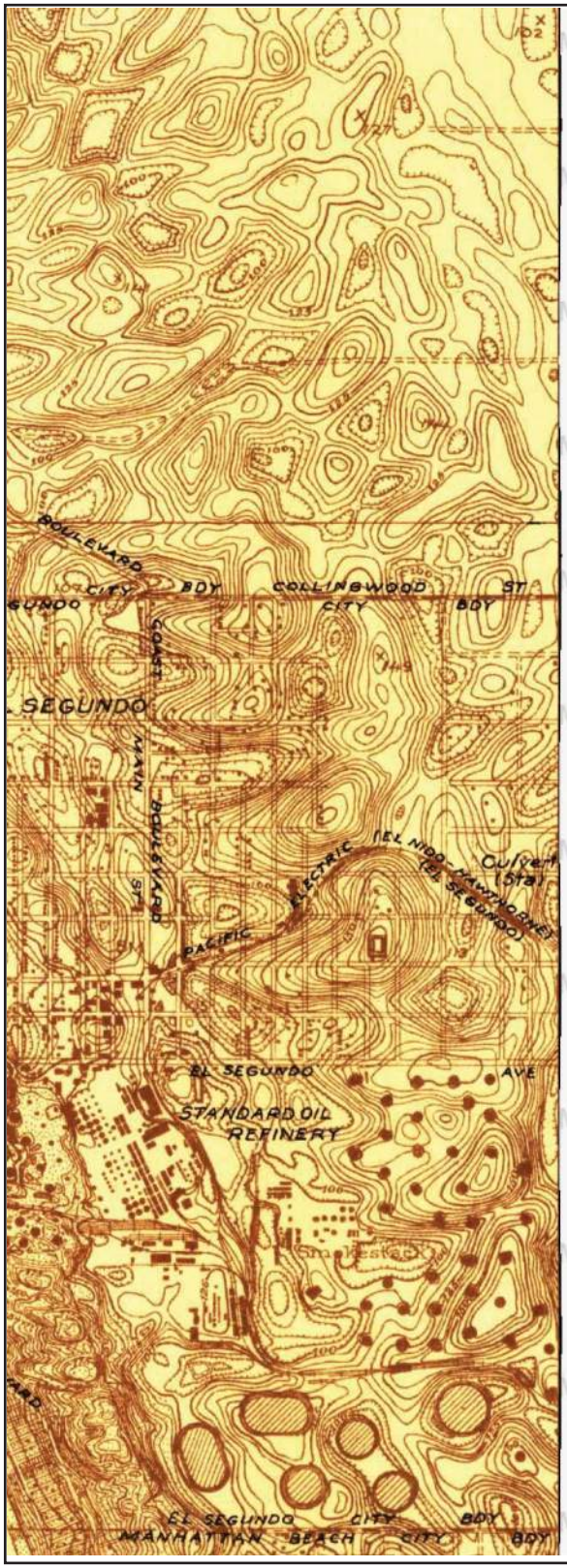


TP, Redondo, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



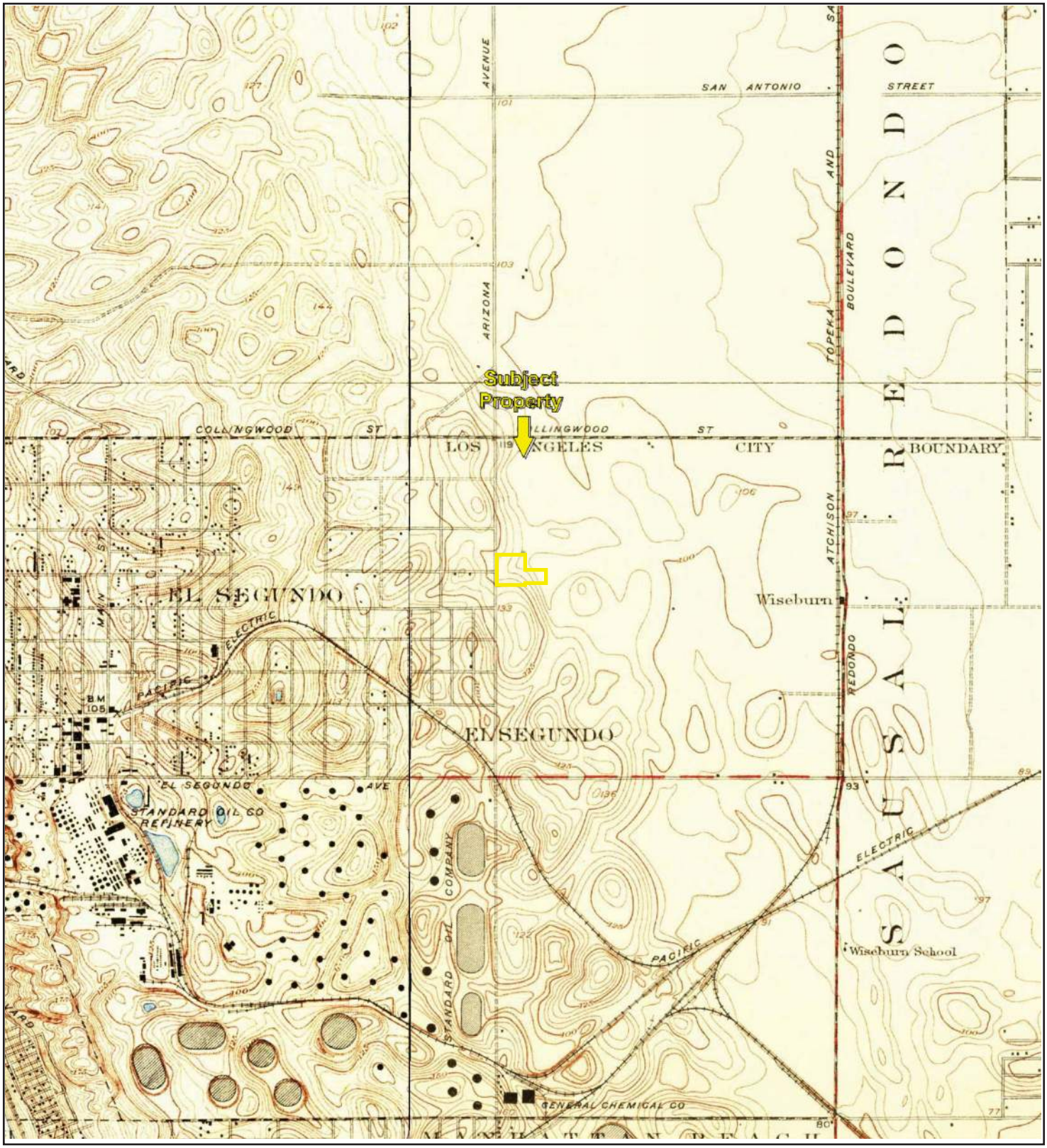
UNMAPPED

NW, Venice, 1923, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



TP, Inglewood, 1924, 7.5-minute
NW, Venice, 1924, 7.5-minute

0 Miles 0.25 0.5 1 1.5

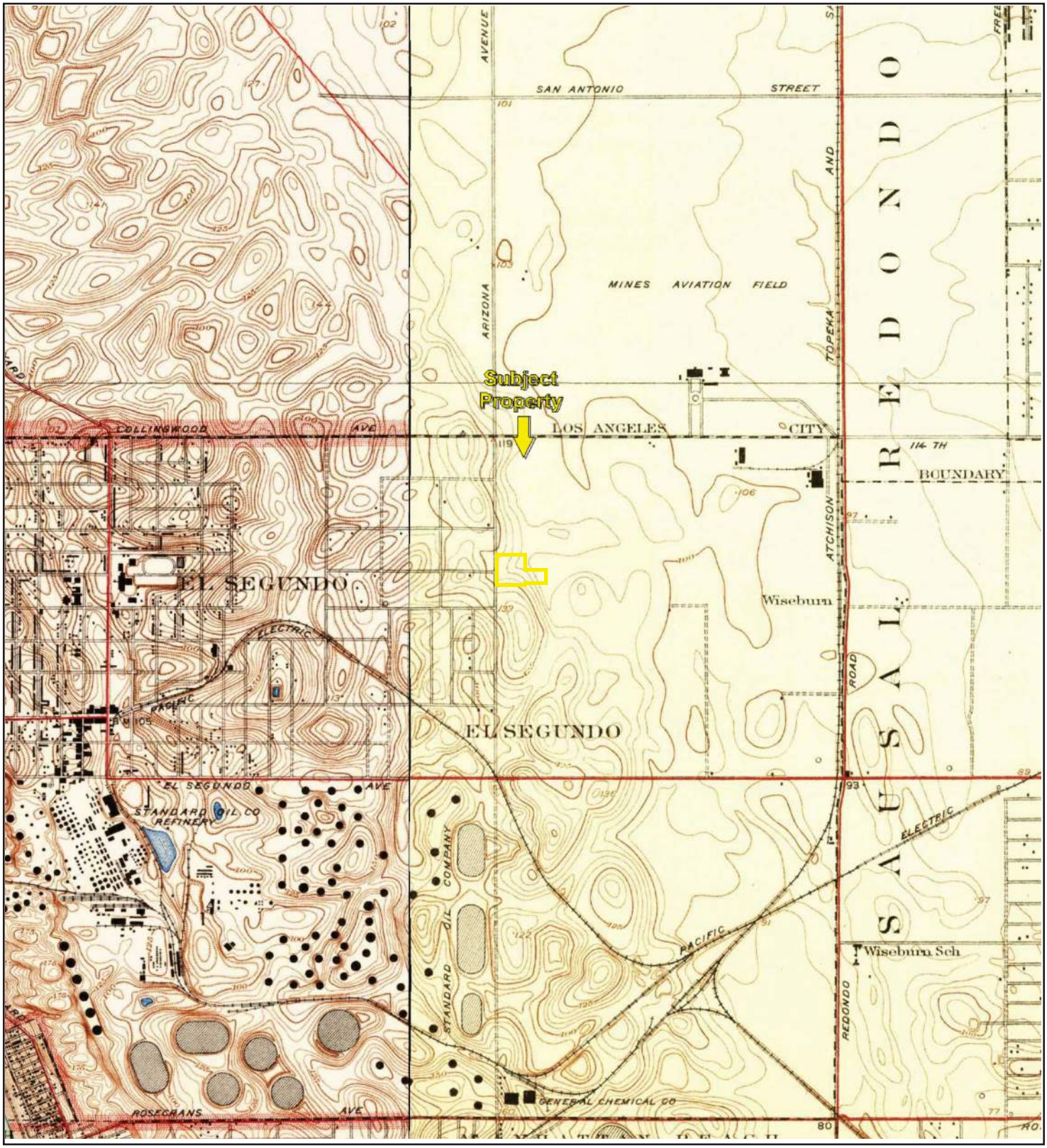
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Inglewood, 1930, 7.5-minute
NW, Venice, 1934, 7.5-minute

0 Miles 0.25 0.5 1 1.5

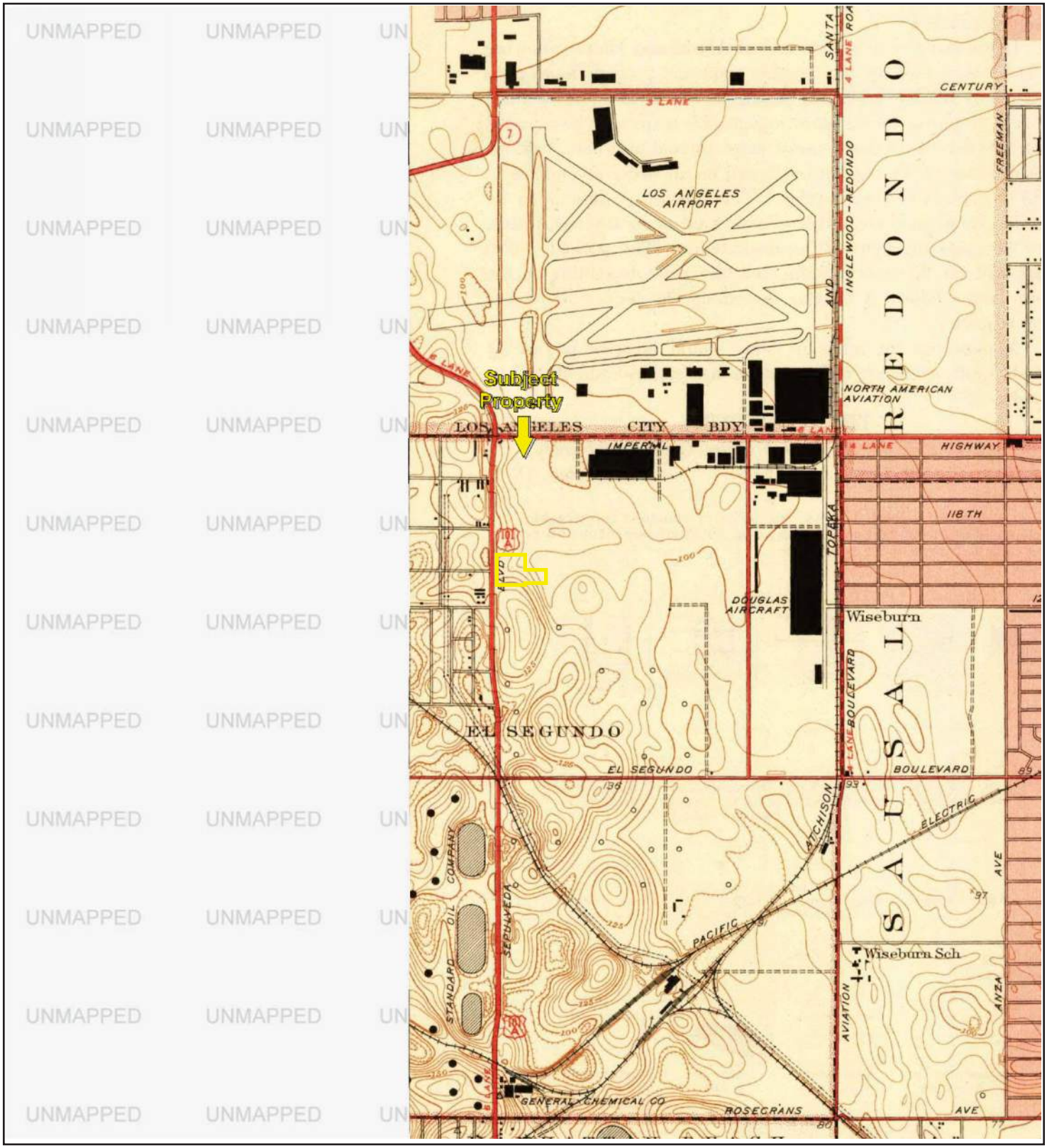
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Inglewood, 1948, 7.5-minute

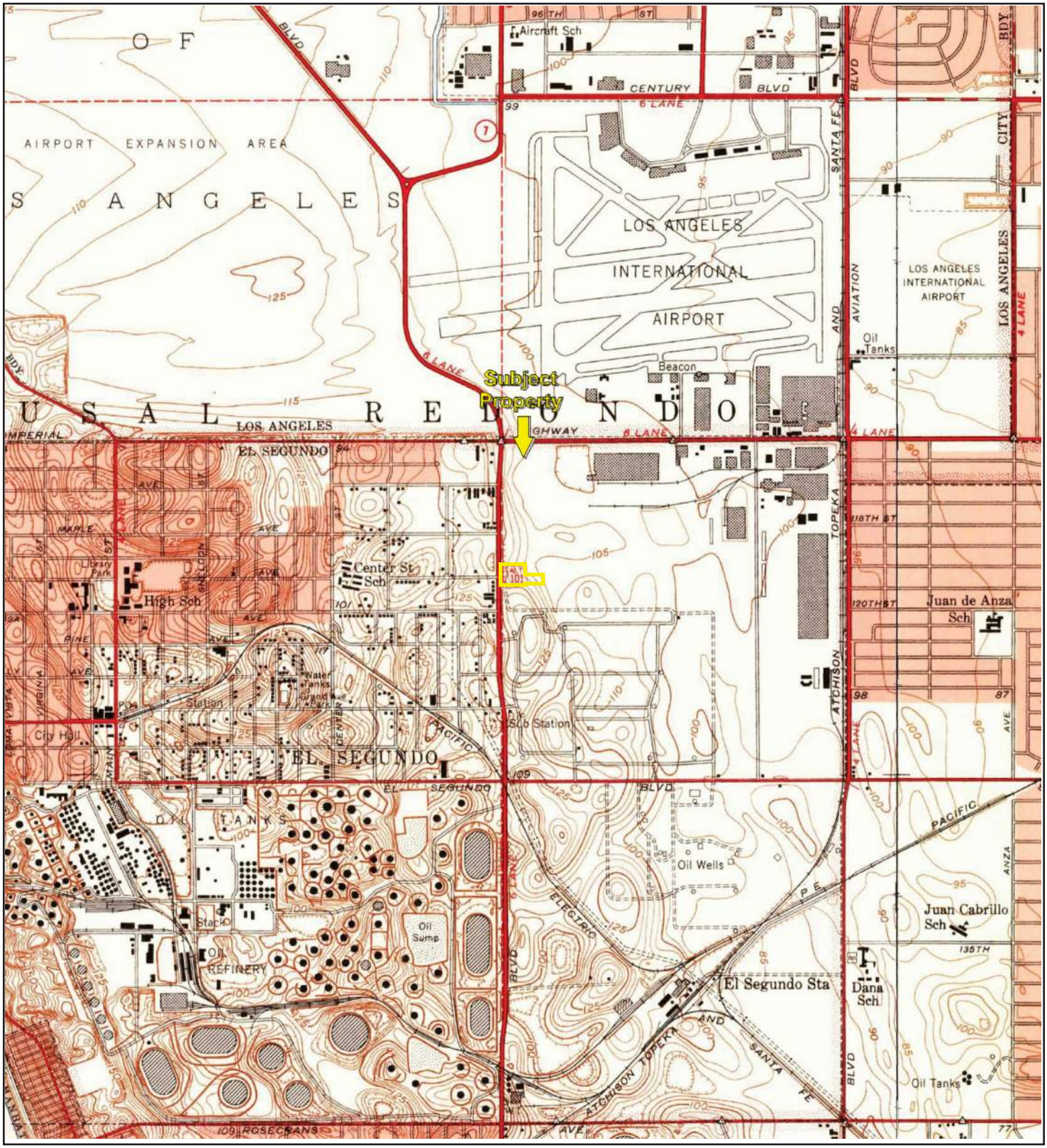
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1



TP, Venice, 1950, 7.5-minute
E, Inglewood, 1950, 7.5-minute

0 Miles 0.25 0.5 1 1.5

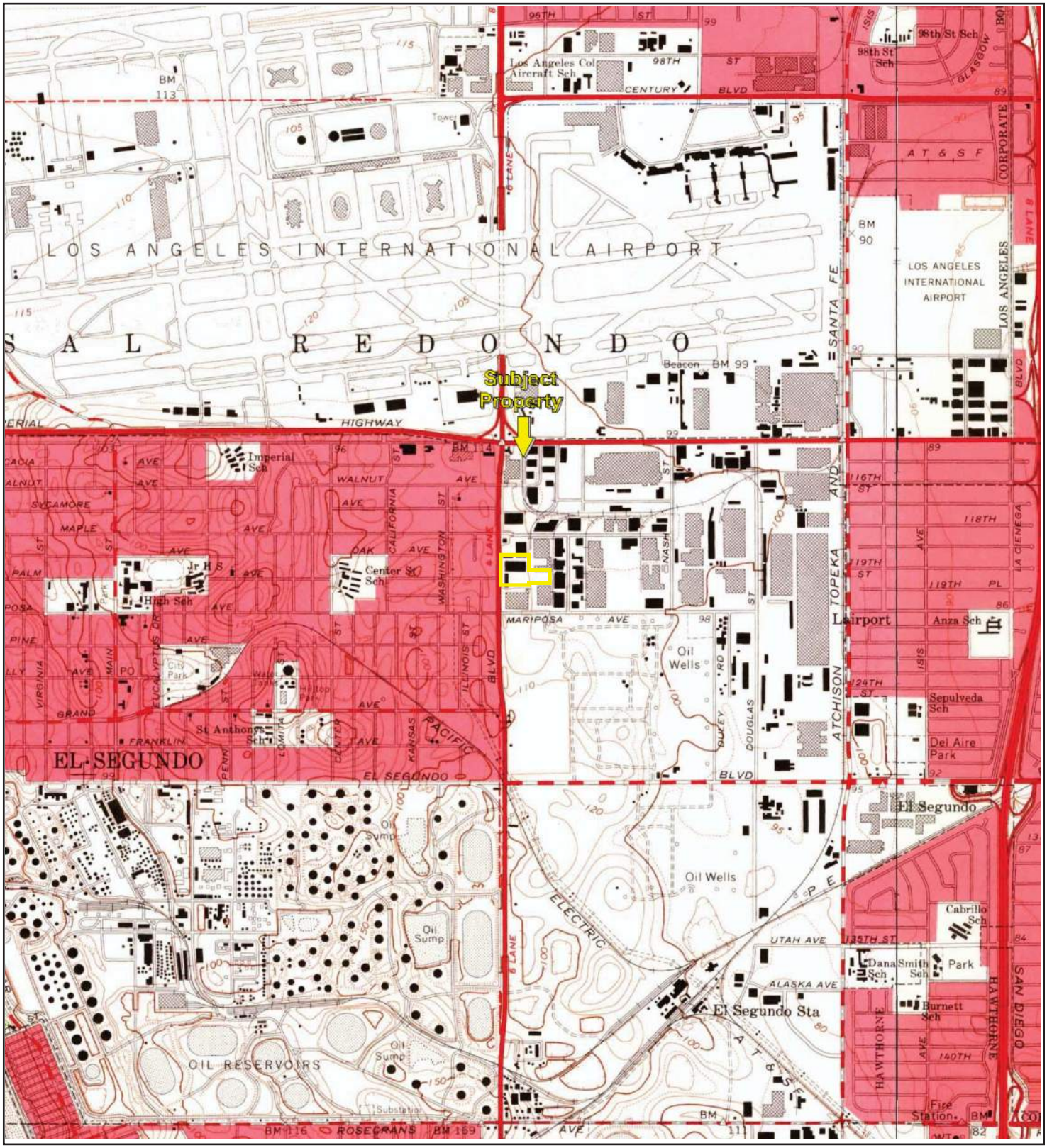
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Venice, 1964, 7.5-minute
E, Inglewood, 1964, 7.5-minute

0 Miles 0.25 0.5 1 1.5

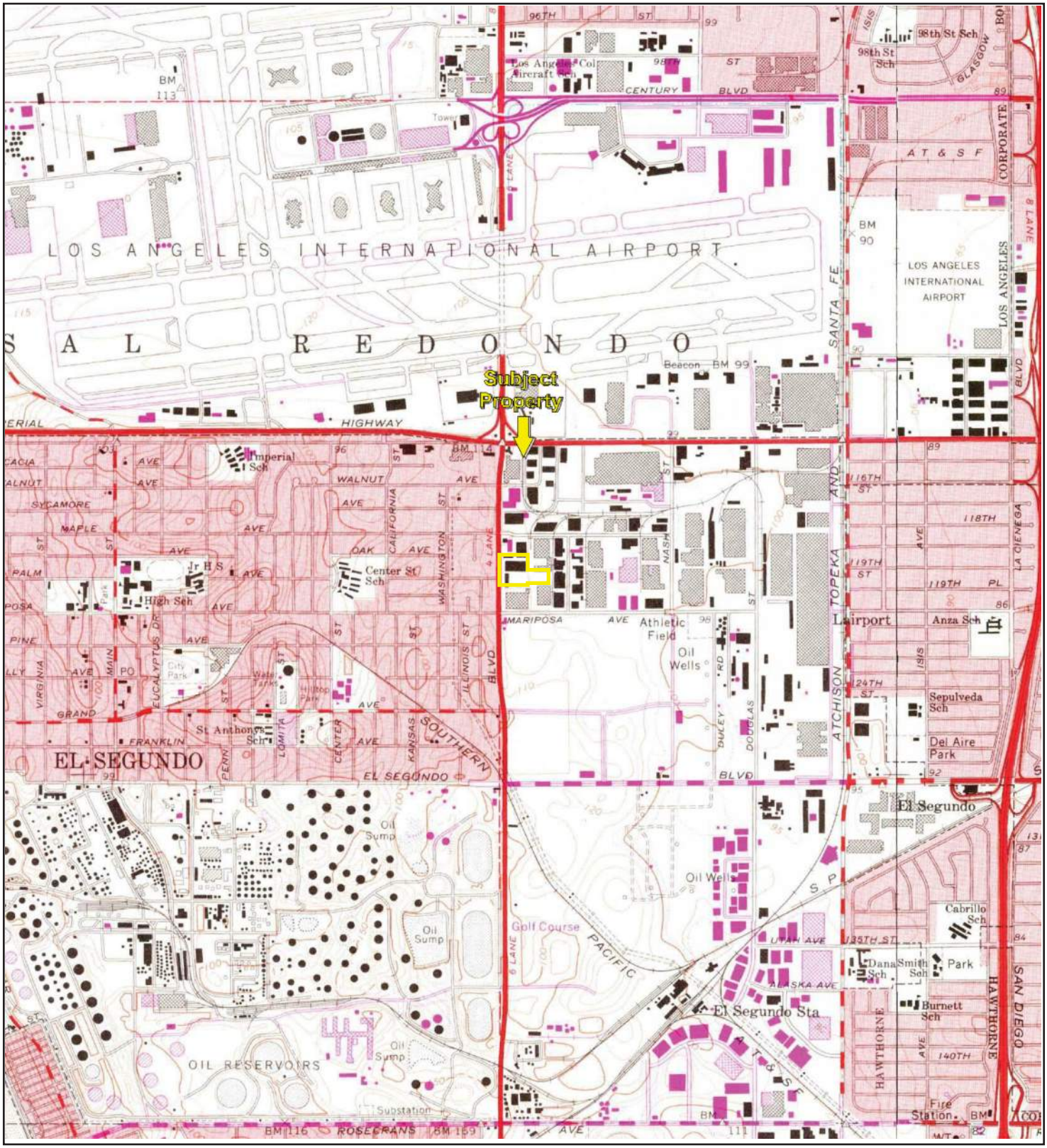
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Venice, 1972, 7.5-minute
E, Inglewood, 1972, 7.5-minute

0 Miles 0.25 0.5 1 1.5

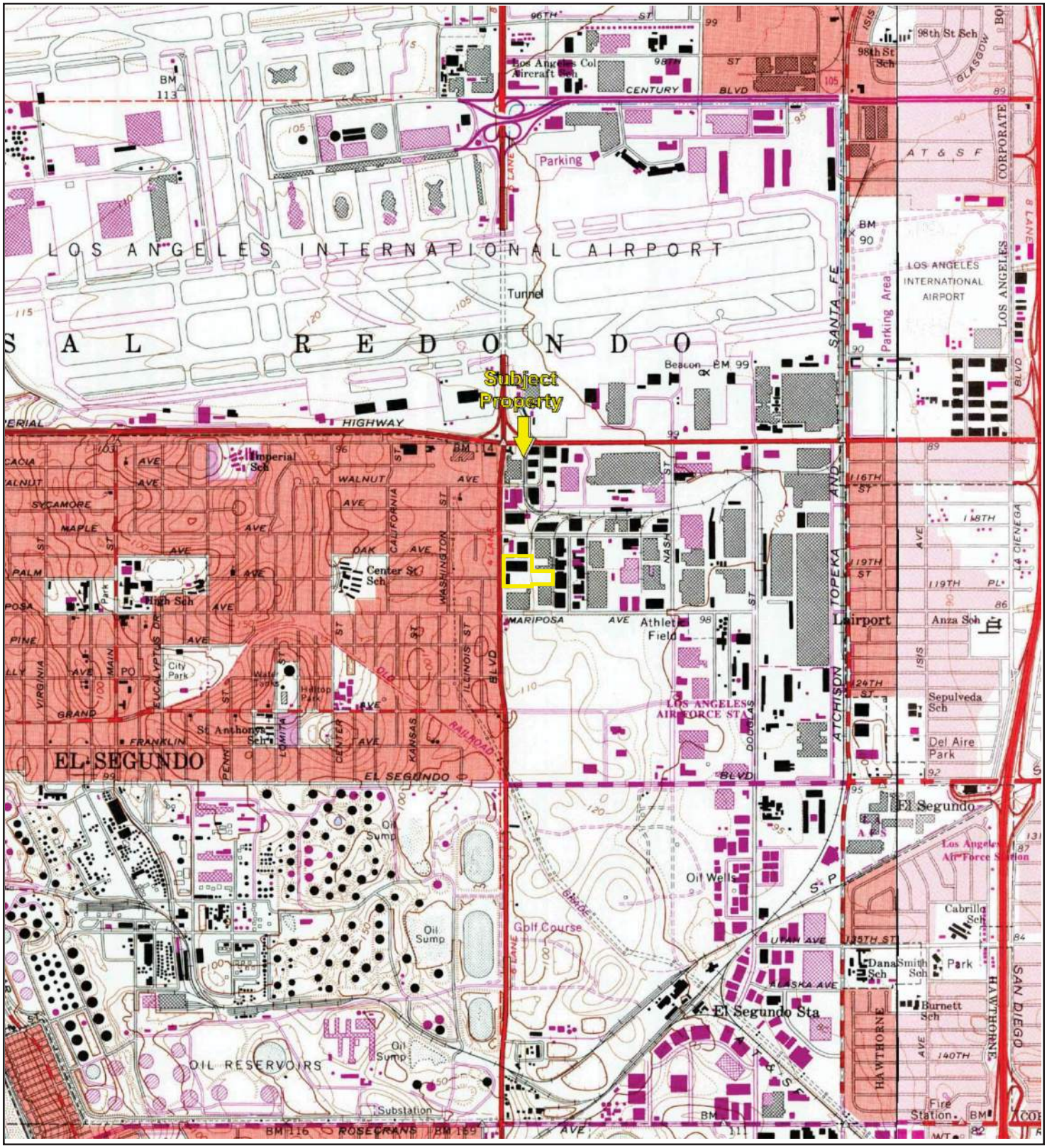
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Venice, 1981, 7.5-minute
E, Inglewood, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

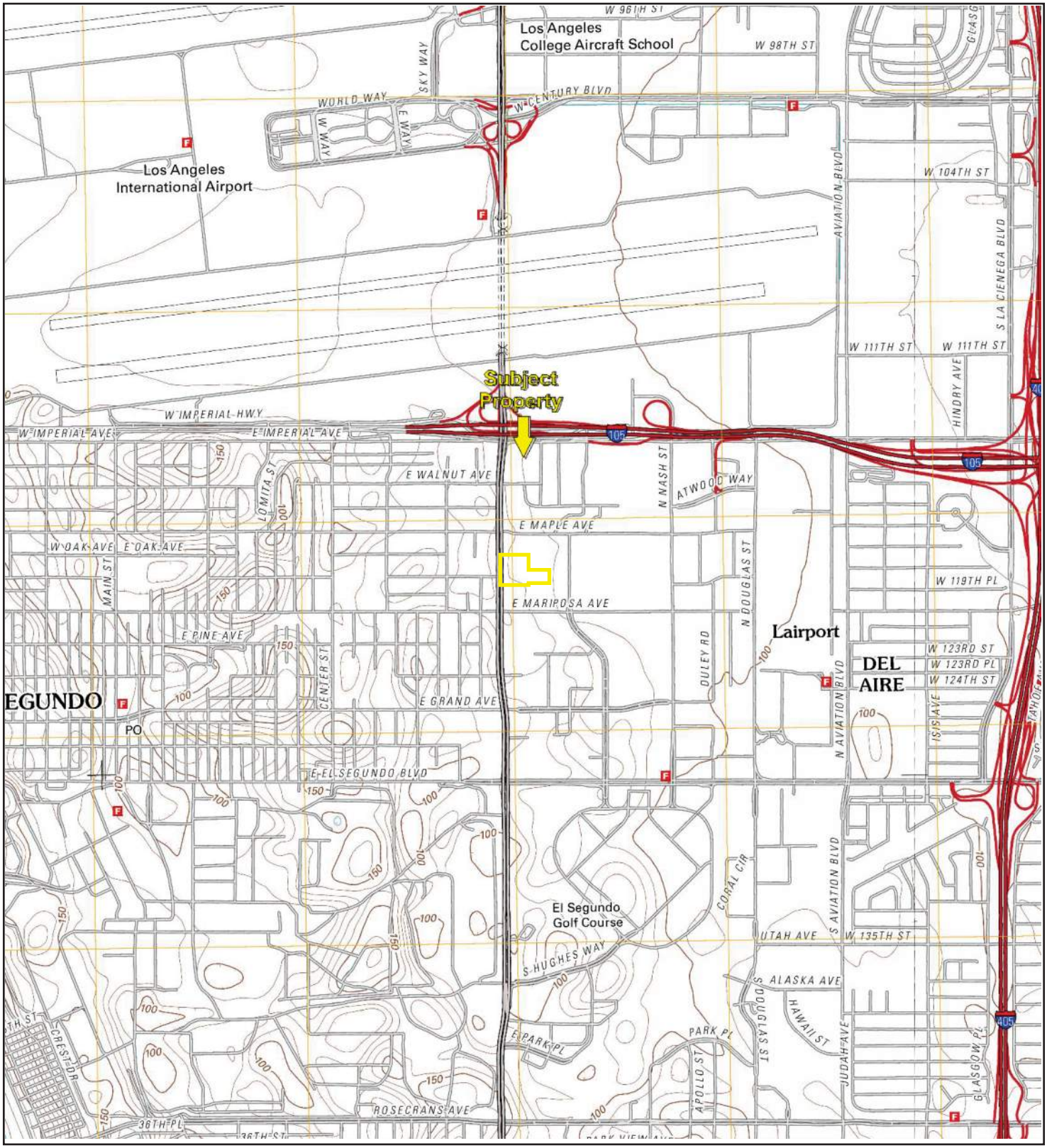
N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER



TP, Venice, 2012, 7.5-minute
E, Inglewood, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 19-261985.1

PARTNER

RAMBOLL ENVIRON

ENVIRONMENT
& HEALTH

Aerospace Center LLC, a California limited liability company
Rabin Family LLC, a California limited liability company
Ronnie Dalesandro and Susan Hymers, not individually but as Trustees of The Rabin Trust
John D. Winters and Sherry Winters, not individually but as Trustees of the Elaine Winters Survivors Trust
John D. Winters and Sherry Winters, not individually but as Executors of the Estate of Elaine Winters
c/o Liner LLP
1100 Glendon Avenue, 14th Floor
Los Angeles, CA 90024

REPORT OF PHASE II SUBSURFACE INVESTIGATION
700 N. SEPULVEDA BOULEVARD
EL SEGUNDO, CALIFORNIA

May 13, 2016

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To Whom It May Concern,

Ramboll Environ US Corporation (Ramboll Environ) is pleased to submit this report to Aerospace Center LLC, a California limited liability company; Rabin Family LLC, a California limited liability company; Ronnie Dalesandro and Susan Hymers, not individually but as Trustees of The Rabin Trust; John D. Winters and Sherry Winters, not individually but as Trustees of the Elaine Winters Survivors Trust; and, John D. Winters and Sherry Winters, not individually but as Executors of the Estate of Elaine Winters to present the findings of a Phase II subsurface investigation conducted recently at the property located at 700 N. Sepulveda Boulevard, El Segundo, California (the "site:" see Figure 1). The Phase II subsurface investigation was performed in accordance with the proposal provided to Liner LLP on February 4, 2016.

BACKGROUND

Based solely on information provided in a Phase I environmental site assessment (ESA) performed by Partner Engineering and Science, Inc. (Partner) in September 2015 (Phase I Environmental Site Assessment Report, Boeing Building II, 700 N. Sepulveda Boulevard, El Segundo, California, dated September 18, 2015 [the "2015 Phase I Report"]), the approximately 1.99 acre site was undeveloped until approximately 1927. Between approximately 1927 and 1938, the site was used as agricultural land. In approximately 1957, the current building was constructed on the site. According to the 2015 Phase I Report, tenants at the site have included Pharmaceutical Co. (1958), The Rabin Company/Pharmapak Drug Company (1960), Rabin Winters Corporation (1962-1967), Rabin Winters Division of Brunswig Drug/Bergan Brunswick (1966-1974), BBC Laboratories (1971), Norton Products/Tannehill Pharmaceuticals (1971), Devlin Pharmaceuticals (1974-1981), Hughes Aircraft Company (1982-1999), and The Boeing Company (2008 - present).

Between 1958 and 1985, eight 1,000 gallon USTs of concrete construction were present on the site and used for the storage of gasoline, sulfides, organic acids, copper, zinc, mineral oils, alcohols, and solvents. In 1985, the tanks were filled in place but were subsequently removed from the site in 1990, reportedly without regulatory closure. In addition, between 1966 and 1985 a concrete clarifier was in use at the site. In 1985, the clarifier was abandoned under the regulatory oversight of the Los Angeles County Department of Public Works (DPW). The site received no further action (NFA) status for the clarifier in 1994. However, no

documentation regarding the closure of the clarifier, including whether any sampling was performed as part of closure activities, was provided for Partner's review. As a result, Partner characterized this issue as a recognized environmental condition (REC) in the 2015 Phase I Report.

In addition, no subsurface characterization activities are known to have been conducted in the vicinity of the former USTs or the concrete clarifier. As a result, and with the specific objective of evaluating the potential for the REC identified by Partner in its 2015 Phase I Report to have impacted the subsurface of the site, Ramboll Environ proposed to complete the scope of work presented in our proposal dated May 12, 2016 and as described below; based on the anticipated depth to groundwater in the site vicinity (on the order of approximately 100 feet), no groundwater sampling was performed as part of the Phase II subsurface investigation.

SCOPE OF WORK

The scope of work included (Task 1) pre-field activities and mobilization; (Task 2) soil and soil vapor sampling; (Task 3) laboratory testing; and (Task 4) data evaluation and reporting. Drilling and sampling activities were supervised by Ramboll Environ field personnel working under the supervision of a California Registered Professional Geologist.

PRE-FIELD ACTIVITIES AND MOBILIZATION

Prior to implementation of the subsurface investigation, a geophysical survey was performed at the site on March 5, 2016, by Spectrum Geophysics of Chatsworth, California in an effort to locate the former UST area and the clarifier. The geophysical survey was performed using a variety of equipment, including EM-61 high sensitivity metal detection, shallow focus terrain conductivity, ground penetrating radar, and electromagnetic utility-locating methods. According to the 2015 Phase I ESA Report, the exact locations of the former UST area and clarifier are not known; the tanks were described as being located "north of the building near receiving." The location of the clarifier is not known but may be located in proximity to the former UST area (information contained in an appendix to the 2015 Phase I Report contains a hand drawn map with a feature labelled as a "large stationary cylindrical tank;" this feature is located to the immediate west of the former UST area and could possibly be the clarifier). As a result, the focus of the geophysical survey was an approximately 11,500 square foot area to the north of the building marked "USTs" on Figure 2 in the 2015 Phase I Report (and shown on Figure 1 in this report). The results of the geophysical survey indicated an anomaly within the survey area that was interpreted by Spectrum Geophysics to be the "most likely" location of the former USTs; the anomaly was observed in the general area marked "USTs" on Figure 2 in the 2015 Phase I Report. Furthermore, this anomaly approximately coincided with a patched area observed on the asphalt surface. No feature indicative of the former concrete clarifier was identified in the surveyed area. The geophysical survey report provided by Spectrum Geophysics is included in Attachment A.

In addition to the area that was cleared for the presence of underground pipes/utilities by Spectrum Geophysics' geophysical survey, Ramboll Environ contacted Underground Services Alert (DigAlert) to mark the locations of all major utilities at the site boundaries.

Prior to initiating drilling activities, Ramboll Environ prepared a site-specific Health and Safety Plan (HASP). The HASP was designed to minimize exposure of Ramboll Environ's field personnel to potentially hazardous materials. All field personnel were required to implement the procedures presented in the HASP while performing field work. As part of this task, Ramboll Environ also contracted with the appropriate subcontractors for the planned fieldwork.

SOIL VAPOR SURVEY AND SOIL SAMPLING

On March 19, 2016, under Ramboll Environ's oversight, BC2 Environmental of Orange, California, advanced 6 soil borings (SB-1 through SB-6) in the area identified as an anomaly during the geophysical survey (see Figure 1). Because the location of the concrete clarifier could not be identified, the soil borings planned for that area (SB-7 and SB-8) were not drilled. At each soil boring location, the asphalt surface was penetrated using a direct push drilling rig, then the soil boring was hand augered to approximately 5 feet below ground surface (bgs) to confirm that no subsurface utilities or lines were present at that location. Once the top 5 feet was hand augered, each soil boring was then advanced to its total depth of approximately 15 feet bgs using a direct push drilling rig. The soil borings were logged in accordance with

the Unified Soil Classification System (USCS) and monitored using an organic vapor meter photoionization device (PID) equipped with a 10.6 electron volt lamp calibrated against an isobutylene standard.

In each soil boring, soil samples were collected at three depth intervals ("shallow," "middle," and "deep"). Soil samples were collected in an attempt to sample native soil and sample depths were adjusted based on soil composition changes from backfill material to native soil in the former USTs area. The depth interval for the shallow and middle sample in each soil boring varied from 7 to 11 feet and 10 to 13 feet bgs, respectively. The depth interval for the deep soil sample at each location was 15 feet bgs.

Soil samples for volatile organic compound (VOC) analyses were collected using Encore soil samplers and sample containers, while soil samples collected for all other analysis were collected in acetate sleeves with Teflon-lined plastic end caps or glass sampling jars with plastic lids. Soil samples were labelled, placed in plastic Ziploc bags for additional containment purposes, and then placed in an insulated cooler with ice for shipment to the laboratory under chain-of-custody protocols. Samples were delivered to TestAmerica Laboratories, Inc., of Irvine, California, for analytical testing. The two shallowest samples from each soil boring were laboratory analyzed, while the deeper samples were placed on hold at the laboratory, pending analytical results of the shallower samples. Soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline-, diesel fuel-, and oil-range hydrocarbons (TPH-g, TPH-d, and TPH-o, respectively) in accordance with United States Environmental Protection Agency (USEPA) Method 8015 Modified; VOCs, in accordance with USEPA Method 8260B; and California Manual 17 Metals by (USEPA) Methods 6010B/7471A.

Soil borings were converted to temporary soil vapor probes at depths of approximately 10.5 ft bgs in SB-1 through SB-3, SB-5, and SB-6, and 12 ft bgs in SB-4 (the vapor probe was installed at 12 ft bgs in SB-4 to place it in native soil). The soil vapor probes were installed and sampled in general accordance with the guidelines established by the California Environmental Protection Agency (Cal/EPA), the Department of Toxic Substances Control, the Los Angeles Regional Water Quality Control Board, and the San Francisco Bay Regional Water Quality Control Board in "*Advisory Active Soil Gas Investigations*", dated July 2015 (the advisory). The soil vapor probes were constructed with a temporary airstone filter and 1/4 inch tubing equipped with a valve at its termination. The probe tip was set with a minimum of 6 inches of sand on each side, or one foot total depth, and a minimum of 6 inches of dry bentonite was placed below and above this sand pack.

Following an equilibration period of at least 120 minutes (in accordance with the advisory), each soil vapor probe was sampled. Soil vapor samples were collected in vapor-tight glass syringes and analyzed in an onsite mobile laboratory operated by H&P Mobile Geochemistry of Carlsbad, California. In addition to the 6 primary soil vapor samples, a duplicate sample was collected from probe SV-1-10.5 and a material blank sample was collected from a soil vapor probe and associated tubing assembled and installed by BC2 Environmental. Each soil vapor sample was analyzed for the full suite of VOCs in accordance with USEPA Method 8260B.

In accordance with the advisory, each soil vapor probe was purged three purge volumes before sampling. Additionally before sampling, a shut-in test and a leak test (utilizing the compound 1,1-difluoroethane) were performed in accordance with advisory guidelines to confirm that no leaks existed in the above ground sampling equipment and that ambient air had not been allowed into the soil vapor sample. The analysis of soil vapor samples and the material blank did not indicate the presence of 1,1-difluroethane at concentrations above laboratory reporting limits, indicating that these samples are considered to be representative of the soil vapor at each respective location and depth.

Prior to collection of samples and between successive sampling attempts, sampling equipment was decontaminated to minimize the potential for cross-contamination. After the collection of soil vapor samples, the tubing was removed from each sampling location, the boreholes sealed with hydrated bentonite, and patched to match the surrounding asphalt surface.

Soil cuttings and decontamination water generated during subsurface investigation activities were placed in a 55-gallon Department of Transportation (DOT)-rated drum and stored on site pending offsite disposal.

Results of Sampling

The lithology at the site consisted of dark reddish brown sand extending from the surface to approximately 8 to 12 ft bgs, and transitioned to red sand to the total depth drilled (approximately 15 ft bgs). The transition from dark reddish brown to red sand was considered the contact between backfill material and native soil. In SB-4 and SB-5, pieces of concrete or asphalt-like materials were encountered within the upper approximately 12 feet while drilling, possibly indicating that those materials made up some of the backfill material used when the USTs were removed and the area backfilled.

Analytical results for soil vapor samples are summarized in Table 1 and analytical results for soil samples are summarized in Tables 2a and 2b; laboratory analytical reports are included in Attachment B (soil vapor samples) and Attachment C (soil samples).

Soil Vapor

The following analytes were detected at concentrations above the respective laboratory reporting limits: benzene; carbon tetrachloride; chloroform; 1,1-dichloroethene, dichlorodi-fluoromethane (F12); ethylbenzene; m,p-xylene; o-xylene; naphthalene, tetrachloroethene, toluene; trichloroethene; 1,1,2-trichloro-trifluoroethane (F113), and trichlorofluoromethane (F11).

Soil

The following analytes were detected at concentrations above the laboratory reporting limits: TPH-d and TPH-o, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

SOIL VAPOR AND SOIL SCREENING LEVELS

In evaluating the soil vapor data, Ramboll Environ considered risk-based soil vapor screening levels for residential land use, based on the USEPA Regional Screening Levels (RSLs)(USEPA 2015) and/or Department of Toxic Substances Control (DTSC)-modified screening levels (SLs). The development of the screening levels is described below.

The DTSC-modified RSLs or USEPA RSLs are concentrations of chemicals in residential air that the Cal/EPA and/or USEPA consider to be below thresholds of concern for risks to human health over a lifetime. The thresholds of concern used to develop the RSLs are an excess lifetime cancer risk of one-in-a-million (10^{-6}) and a hazard quotient (HQ) of 1.0 for noncancer health effects. The NCP (40 Code of Federal Regulations [CFR] § 300) is commonly cited as the basis for target risk and hazard levels. According to the NCP, lifetime incremental cancer risks posed by a site should not exceed one in a million (1×10^{-6}) to one hundred in a million (1×10^{-4}), and noncarcinogenic chemicals should not be present at levels expected to cause adverse health effects (i.e., HI greater than one). As a conservative measure, the RSLs are calculated to correspond to an estimated cancer risk of 1×10^{-6} (the low or conservative end of the target risk range) or a noncancer HQ of 1.0. The USEPA RSLs were used unless the DTSC-modified RSLs were more stringent. Under this approach, the DTSC-modified RSLs were used for benzene and PCE.

Soil screening levels were obtained from the USEPA RSL Summary Table (USEPA 2015), and the soil vapor screening levels were derived from the DTSC, Human and Ecological Risk Office Note 3 (Cal/EPA 2016), and/or the Regional Screening Level Summary Table (USEPA 2015). Both the soil vapor and soil screening levels are provided in Tables 1 (soil vapor) and 2a and 2b (soil), respectively.

DATA EVALUATION

Soil vapor results were compared to screening levels derived from Cal/EPA and/or USEPA in a future residential building land use scenario, as described above. None of the VOC compounds that were detected above laboratory reporting limits in the soil vapor samples exceeded their respective screening levels.

Soil sample results were compared to USEPA RSLs for soils in a residential land use scenario. As indicated above, the only compound detected in any of the soil samples that exceeded its respective USEPA RSL was arsenic. Arsenic was detected in four soil samples (SB-2-10, SB-3-10, SB-4-11, and SB-5-10) at concentrations ranging from 3.6 to 4.3 milligrams per kilogram (mg/kg). These concentrations exceed both the residential and commercial/industrial land use USEPA RSLs for arsenic of 0.68 and 3.0 mg/kg, respectively. Arsenic is a naturally occurring metal in soil and tends to be present in native California soils

at concentrations that exceed applicable regulatory thresholds. According to one source,[1] the average concentration of arsenic detected in California soils is 3.5 mg/kg (with a minimum detection of 0.6 mg/kg and a maximum detection of 11.0 mg/kg in the samples collected for this study); in a second source,[2] naturally-occurring arsenic was detected in California soils at concentrations ranging from 0.3 mg/kg to 69 mg/kg. A third study specific to Southern California soils,[3] and based on statistical analysis of a large data set from school sites in Los Angeles County, gave an upper-bound background arsenic concentration of 12 mg/kg. In addition, detected concentrations of arsenic are relatively consistent throughout the samples collected at the site. Therefore, it is Ramboll Environ's opinion that the arsenic detected in the soil at the site is naturally occurring.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the sampling described above, it is Ramboll Environ's professional opinion that (a) the investigation that was conducted by Ramboll Environ was a reasonable and prudent investigation designed to assess the potential impacts from historic USTs and a clarifier at the site and should be deemed to be 'all appropriate inquiry' with respect to such potential impact; (b) the low concentrations of constituents detected in the soil vapor and soil sampling results in the area of the site investigated (i) were well below the residential screening levels, the most restrictive applicable screening levels; (ii) are consistent with a no further action status for the site; (iii) are not indicative of any release or condition which has adversely impacted the environmental integrity of the site, which would require additional investigation, monitoring, or remediation or reporting to any governmental agency; (c) are not indicative of conditions which would require special handling in connection with the redevelopment of the site; and (d) no further investigation, monitoring, or remediation is recommended or warranted.

Please call any of the undersigned if you should have questions.

Very truly yours,

Farshad Razmdjoo
Managing Principal

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bbauer@ramboll.com

RJW:gw:sb

Enclosures

[1] *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science, March 1996.
[2] *Elements in North American Soils*, James Dragun, PhD, and Andrew Chiasson, 1991.
[3] *Determination of a Southern California Regional Background Concentration*, California, Department of Toxic Substances Control, undated.

REFERENCES

California EPA. 2016. Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, Issue: DTSC-Modified Screening Levels (DTSC-SLs).

United States Environmental Protection Agency. 2015. Regional Screening Level (RSL) Summary Table. November.

RAMBOLL ENVIRON

TABLES

Table 1: Volatile Organic Compounds in Soil Vapor
700 N. Sepulveda Blvd.
El Segundo, California

	Analytes (µg/L)													
Sample ID	**Benzene**	**Carbon tetrachloride**	**Chloroform**	**Dichlorodi-fluoromethane (F12)**	**1,1-Dichloroethene**	**Ethylbenzene**	**m,p-Xylene**	**o-Xylene**	**Naphthalene**	**Tetrachloroethene**	**Toluene**	**Trichloroethene**	**Trichlorofluoro+ methane (F11)**	**1,1,2-Trichloro-trifluoroethane (F113)**
CA Indoor Air Soil Gas Screening Level	0.097	0.067	0.12	100	73	1.1	100	100	0.083	0.48	310	0.48	1300	31,000
SV-1-10.5	**0.04**	0.02	0.03	0.32	0.74	<0.10	<0.10	<0.10	<0.02	0.06	<0.20	0.02	0.59	0.13
SV-1-10.5 REP	**0.03**	<0.02	0.03	0.28	0.64	<0.10	<0.10	<0.10	<0.02	0.05	<0.02	<0.02	0.52	0.11
SV-2-10.5	**0.03**	<0.02	0.02	<0.10	0.48	<0.10	0.14	<0.10	<0.02	<0.02	<0.02	<0.02	<0.10	<0.10
SV-3-10.5	**0.03**	<0.02	0.03	<0.10	2.0	<0.10	0.23	<0.10	<0.02	0.03	<0.02	0.04	<0.10	0.29
SV-4-12	**0.02**	<0.02	0.03	<0.10	1.7	0.57	2.4	0.97	<0.02	0.06	1.3	0.04	0.17	0.27
SV-5-10.5	**0.04**	<0.02	<0.02	<0.10	<0.10	<0.10	0.15	<0.10	<0.02	<0.02	<0.02	<0.02	0.11	0.21
SV-6-10.5	**0.05**	0.02	0.04	<0.10	2.6	<0.10	0.29	0.13	0.04	0.06	0.22	0.06	0.14	0.31

Notes:

All data sampled on March 19, 2016

Results Exceeding the California Indoor Air Soil Gas Screening Level (TR=10^{-6}) for Future Residential Building Scenario value are highlighted yellow (no exceedances).

µg/L - micrograms per liter

Table 2a: Summary of Detected
Total Petroleum Hydrocarbons in Soil Samples
700 N. Sepulveda
El Segundo, California

		Analytes (mg/kg)		
Sample ID	**Sample Date**	**Sample Depth (feet)**	**TPH - Diesel Fuel Range Hydrocarbons (C13-C22)**	**TPH - Oil Range Hydrocarbons (C23-C40)**
USEPA Residential RSL (mg/kg)			96	2,500
USEPA Industrial RSL (mg/kg)			440	33,000
SB-1-7	3/19/2016	7	<4.9	<4.9
SB-1-10	3/19/2016	10	<4.9	<4.9
SB-2-8	3/19/2016	8	<4.9	<4.9
SB-2-10	3/19/2016	10	<5.0	<5.0
SB-3-8	3/19/2016	8	<5.0	<5.0
SB-3-10	3/19/2016	10	6.0	<4.9
SB-4-11	3/19/2016	11	<11	<11
SB-4-13	3/19/2016	13	<50	110
SB-5-7.5	3/19/2016	8	<4.9	32
SB-5-10	3/19/2016	10	<5.0	12
SB-6-7	3/19/2016	7	<4.9	17
SB-6-11	3/19/2016	11	<10	48

Notes:

mg/kg - milligrams per kilogram

USEPA - United States Environmental Protection Agency

RSL - Regional Screening Level

Table 2b: Summary of Detected Metals in Soil Samples
700 N. Sepulveda
El Segundo, California

			Analytes (mg/kg)										
Sample ID	**Sample Date**	**Sample Depth (feet)**	**Arsenic**	**Barium**	**Beryllium**	**Chromium**	**Cobalt**	**Copper**	**Lead**	**Mercury**	**Nickel**	**Vanadium**	**Zinc**
USEPA Residential RSL (mg/kg)			0.68	15000	160	120,000	23	3100	400	11	820	390	23000
USEPA Industrial RSL (mg/kg)			3.0	220,000	2,300	1,800,000	350	47000	800	46	11000	5800	350000
SB-1-7	3/19/2016	7	<3.0	41	<0.50	11	3.1	4.8	2.3	0.026	5.5	17	15
SB-1-10	3/19/2016	10	<3.0	87	0.53	18	7.1	11	4.6	0.030	9.7	31	29
SB-2-8	3/19/2016	8	<3.0	86	0.69	21	11	14	5.5	0.027	12	35	37
SB-2-10	3/19/2016	10	**4.3**	64	0.65	25	3.5	12	4.9	<0.020	11	34	32
SB-3-8	3/19/2016	8	<3.0	63	<0.50	16	5.6	9.8	4.1	0.039	8.8	29	26
SB-3-10	3/19/2016	10	**3.6**	83	0.63	22	8	16	5.2	0.023	14	36	38
SB-4-11	3/19/2016	11	**4.1**	72	0.69	26	5.5	12	5.2	<0.020	12	36	31
SB-4-13	3/19/2016	13	<3.0	49	0.50	15	6.5	8.1	3.6	<0.020	8.5	22	22
SB-5-7.5	3/19/2016	8	<3.0	47	<0.50	14	3.5	5.9	4.8	<0.020	6.8	19	24
SB-5-10	3/19/2016	10	**3.8**	65	0.60	22	4.6	12	5.0	<0.020	11	33	30
SB-6-7	3/19/2016	7	<3.0	82	<0.50	18	6.2	9.9	5.3	0.026	9.8	30	34
SB-6-11	3/19/2016	11	<3.0	92	0.53	19	6.8	12	7.4	0.021	11	33	60

Notes:

mg/Kg - milligrams per kilogram

USEPA - United States Environmental Protection Agency

RSL - Regional Screening Level

Detected concentration exceeds USEPA RSL

RAMBOLL ENVIRON

FIGURE

Path: Z:\01_Projects\Liner Law\04168560 700 N. Sepulveda Boulevard- El Segundo, CA_Figure_1_Soil Boring and Soil Vapor Sampling Locations - Copy.mxd

RAMBOLL ENVIRON

Soil Boring and Soil Vapor Sampling Locations

700 North Sepulveda Boulevard
El Segundo, California 90245

Figure
1

DRAFTED BY: KMY | Date: 4/8/2016 | PROJECT: 04-16856Q

RAMBOLL ENVIRON

ATTACHMENT A
GEOPHYSICAL SURVEY REPORT

Ramboll

Report

Commercial Site
700 N. Sepulveda Boulevard
El Segundo, California
Project #1603051Z

Charles Carter
California Professional Geophysicist
3505 Cadillac Ave. Ste. 0-209,
Costa Mesa, CA 92626

20434 Corisco Street
Chatsworth, California
1-877-565-3590

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SPECTRUM GEOPHYSICS, 20434 CORISCO STREET, CHATSWORTH, CALIFORNIA 91311

1.0 INTRODUCTION

On March 5, 2016, Spectrum Geophysics conducted a geophysical investigation at a commercial property located at 700 North Sepulveda Boulevard in El Segundo, California. The purpose of the investigation was to delineate the surface trace of detectable steel underground storage tanks (USTs), backfilled excavations or concrete clarifiers within the 190-foot by 95-foot survey area. The area of investigation, as designated by Patrick Holland-Stergar of Ramboll, was primarily asphalt covered though some areas of concrete were visible adjacent to the building.

The expected surficial geology in the upper 8 feet (maximum depth of geophysical investigation) of the survey area was Quaternary Eolian and Dune deposits consisting of wind-blown sands. There may also be artificial fill from previous construction. The water table is expected to be below the maximum depth of investigation, but moisture in the upper five feet of soil can contribute to signal attenuation in ground penetrating radar data. Based on information provided by the Client, the site was occupied by a Boeing facility in the past and had up to 8 USTs present.

Site interferences included a building, several stairwells, a loading dock, several metallic vault lids, bollards, trash bins, and a drain invert.

2.0 EQUIPMENT

The equipment used during this investigation consisted of a Geonics EM-61 high-sensitivity metal detector, a Sensors & Software "Noggin Smart Cart" ground penetrating radar, a shallow-focus metal detector (M-scope), and electromagnetic (EM) utility-locating equipment. An Allegro digital field computer was used to enter acquisition paramenters and store data during the EM-61 survey.

3.0 METHODS AND FIELD PROCEDURES

Prior to data collection, a 5-foot by 5-foot grid was created parallel and perpendicular to the building located at the northern boundary of the survey area. A survey chain with 5-foot markers was used to establish the survey lines and stations, and survey paint was used to mark the locations of each survey station on the ground. The survey was completed with no interference from vehicle traffic. It should be noted that no EM-61 or GPR data were collected outside of the blue dashed boundary labeled "Area of Subsurface Investigation" in Figure 1.

EM-61 data acquisition (archive photo)

3.1 EM-61 High Sensitivity Metal Detector

The EM-61 high-sensitivity metal detector was used in an effort to delineate areas where metallic objects (such as underground storage tanks and metal piping) may be buried. The EM-61 transmitter generates short pulses of a primary magnetic field that induces electromagnetic currents in nearby metallic objects. Between pulses, the two receiver coils measure the decay of these electromagnetic currents in millivolts (mV). The measured values are proportional to the metal content (ferrous and non-ferrous) of the nearby objects

Prior to data acquisition the EM-61 battery level was checked and found to be within an acceptible range for data collection. After the EM-61 had a few minutes to warm up, the unit was nulled in a location with more than four meters of separation between the coils and any known metallic objects. A cable-shake test was performed to assure the cables were in good working condition and the connectors were fastened properly. Finally a static test was run in which a series of EM-61 readings were taken with no metal followed by a series of readings with a ½-inch bolt on the ground in the center of the EM-61 coils. The EM-61 was found to be working as expected.

During this investigation EM-61 readings were collected at 2.5-foot intervals along parallel west-east lines spaced 5 feet apart within the area of investigation. These data were processed in the field and used to generate contour maps to assist in identifying anomalous areas that may be caused by buried utilities or features of interest.

Top and bottom coil data can be useful for identifying near-surface metallic objects; although, the top coil generally has a greater response than the bottom coil to deeply buried objects. The differential data (top coil data minus the bottom coil data) was used during this survey to distinguish deeper targets such as metallic USTs from shallow ones such as a vault lid or scrap metal. Utilization of the differential data allows for the suppression of near surface targets that might mask the response from deeper targets of interest.

3.2 Electromagnetic (EM) Utility Location

Passive and active EM utility-locating methods were used in an effort to identify possible sources of EM-61 anomalies and to identify buried objects having no surface expression.

Electromagnetic (EM) utility location (archive photo)

Passive locating is possible when electrically conductive conduits are energized by ambient radio frequencies (RF) that are often produced by 50/60 cycle electrical, radio, audio, television, and communication transmissions. A receiver tuned to these frequencies can be used to locate the re-radiated signal emitted by the conductor (i.e., conduit).

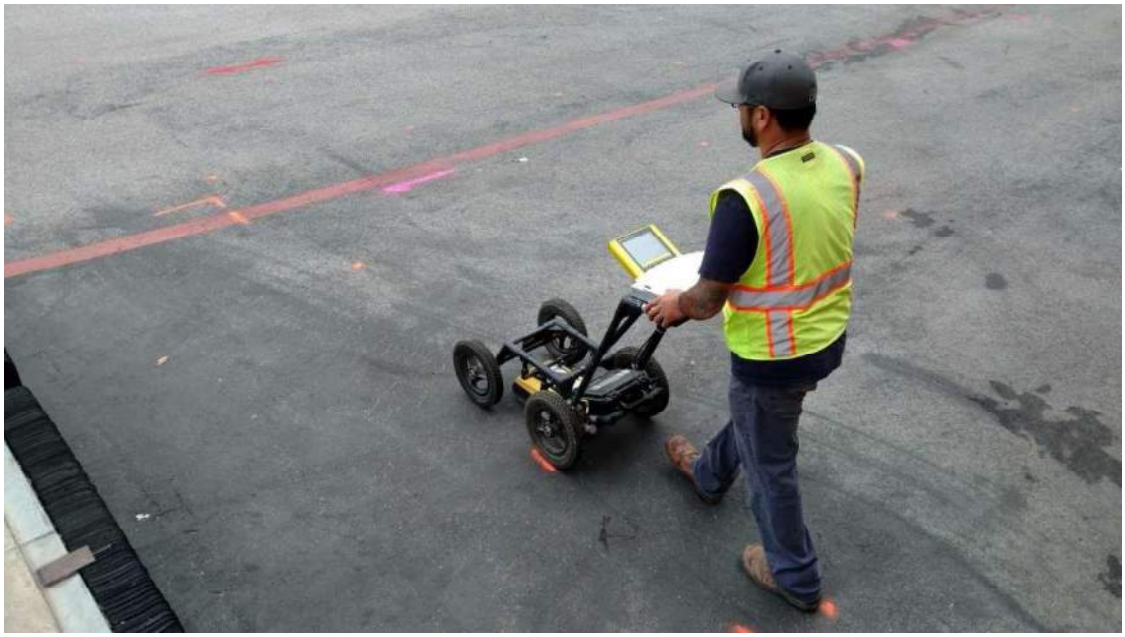
Active locating is initiated by conducting an EM signal at a known frequency (8 and 33 kHz for this site) on a conduit exposed at the surface. A receiver, tuned to these frequencies, is then used to locate the signal maxima (or surface trace) of the applied signal.

3.3 Ground Penetrating Radar

Ground penetrating radar (GPR) data were collected on east – west lines spaced 2.5 feet apart within the survey grid established by the geophysics crew. The purpose of the GPR survey was to locate anomalies from non-metallic sources like backfilled excavations or concrete clarifiers and better characterize EM-61 anomalies. During GPR data acquisition, an antenna containing both a transmitter and a receiver is pushed along the ground surface. The transmitter radiates short pulses of high-frequency (center frequency of 500-MHz)

electromagnetic energy into the ground. These electromagnetic waves propagate into the subsurface at a velocity that is dependent on the electrical properties of the material through which the waves travel. When the GPR waves encounter an interface of two materials having different electrical properties, a portion of the energy is reflected back to the surface and received at the antenna at a time (in nanoseconds) that is related to the depth of the reflecting interface, where later times generally represent greater depths of investigation. The contrast in velocity between the media either side of the interface can be quantified by a reflection coefficient at the media boundary, where a larger reflection coefficient (larger electrical contrast in materials) corresponds to a higher amplitude reflection.

The reflected signal is received at the antenna, transmitted to a control unit (the Smart Cart) and displayed on the computer screen as the data are being acquired. The data may be stored electronically, and subsequently processed with various software packages.



4.0 RESULTS

A map of the area of geophysical investigation is presented in Figure 1. A contour map of the EM-61 Differential Data is presented in Figure 2 and sample GPR profiles are displayed in Figure 3.

4.1 EM-61

The high-amplitude EM-61 anomalies on the north and south perimeter of the survey area are the result of surface metal like the building walls and bollards. There are two linear anomalies identified in the EM-61 data produced from metallic piping running east to west along 55N and a south to north trending railroad track centered from 162E to 1723E. These features were relocated with the utility locators or GPR and plotted on the site map. There are a few isolated EM-61 anomalies from surface metal like sewer clean-outs, a man-hole cover and electric vault cover.

4.2 GPR

Most of the shallow metallic objects such as underground piping and rail road tracks were relocated during the GPR survey. One GPR anomaly with no corresponding EM-61 anomaly was identified. Anomaly A is broad GPR anomaly located from 50E to 150E, between 77N and 88N. This GPR anomaly is characterized by relatively high-amplitude reflectors in the soil compared to the GPR signal in the surrounding soil. There is no corresponding EM-61 anomaly within the bounds of Anomaly A which indicates that the source of the high-amplitude GPR reflectors is not associated with buried metal, but rather a slight change in the electrical conductivity of the soil. A possible source of this GPR anomaly is backfill material which slightly amplifies the GPR signal relative to the adjacent soils.

5.0 LIMITATIONS

Reliable EM-61 data cannot be collected within 8 feet of surface metallic objects such as reinforced concrete pads, vault lids and/or manholes, buildings and parked vehicles. As a result, Spectrum cannot guarantee that a UST is not present beneath these features.

The penetration depth of the GPR signal was approximately 3 feet in the area investigated. As a consequence, some subsurface utilities may not have been detected, and USTs present at depths greater than 3 feet in the areas adjacent to surface metal may not have been detected due to the shallow penetration of the GPR. Because of this limitation, Spectrum cannot guarantee that all non-metallic conduits, such as sewers and PVC water lines, have been identified within the area of investigation. A discussion of the limitations of each method follows.

5.1 EM-61

The EM-61 is capable of detecting a 55-gallon drum up to a depth of 3 meters under favorable conditions. We recommended a minimum 10-foot buffer between the survey area and any metallic or metal bearing surface cultural features such as buildings, fences, parked vehicles

or aboveground piping which could severely compromise the quality of the data. Reliable EM-61 data cannot be collected over areas covered with reinforced concrete.

5.2 GPR

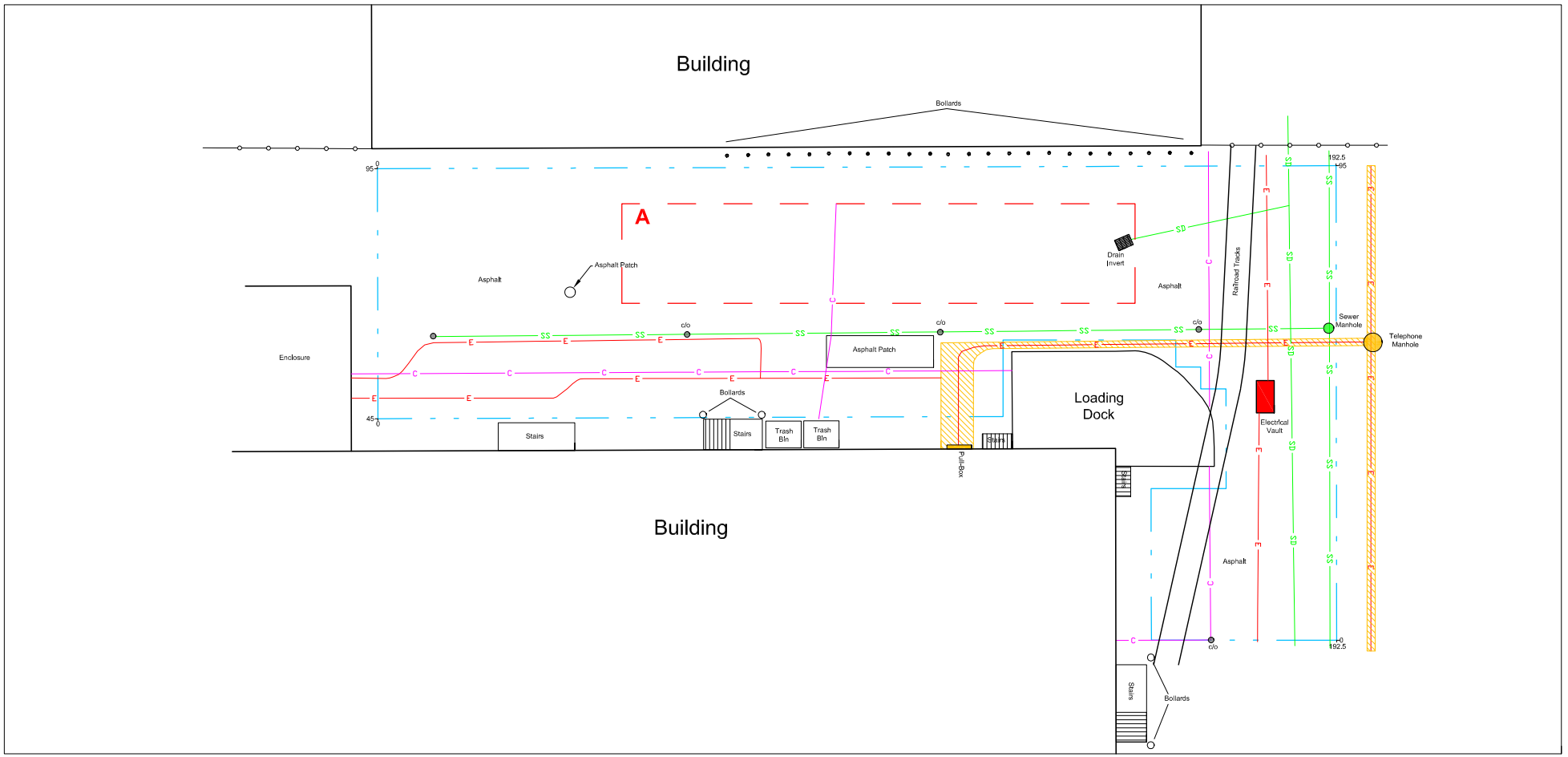
The performance capability of GPR is dependent on the electrical conductivity of the soil at the site. If the soil conductivity is high, attenuation of the radar signal in the soil can severely restrict the maximum penetration depth of the radar signal. Under favorable conditions depth of penetration can be greater than 10 feet; however, average depths of GPR penetration in the West and Southwest tend to range between 2-5 feet.

5.3 General

It should be understood that the detection of subsurface objects and utilities is dependent upon acquiring reliable measured values of magnetic fields or electro-magnetic waves with geophysical instruments above ground. These data may be interpreted as representative of subsurface objects due to the measured signal strength. These waves or fields, however, may be attenuated and/or distorted by a number of factors including soil moisture, corrosion, and proximity to other surface and subsurface facilities.

SPECTRUM GEOPHYSICS, 20434 CORISCO STREET, CHATSWORTH, CALIFORNIA 91311

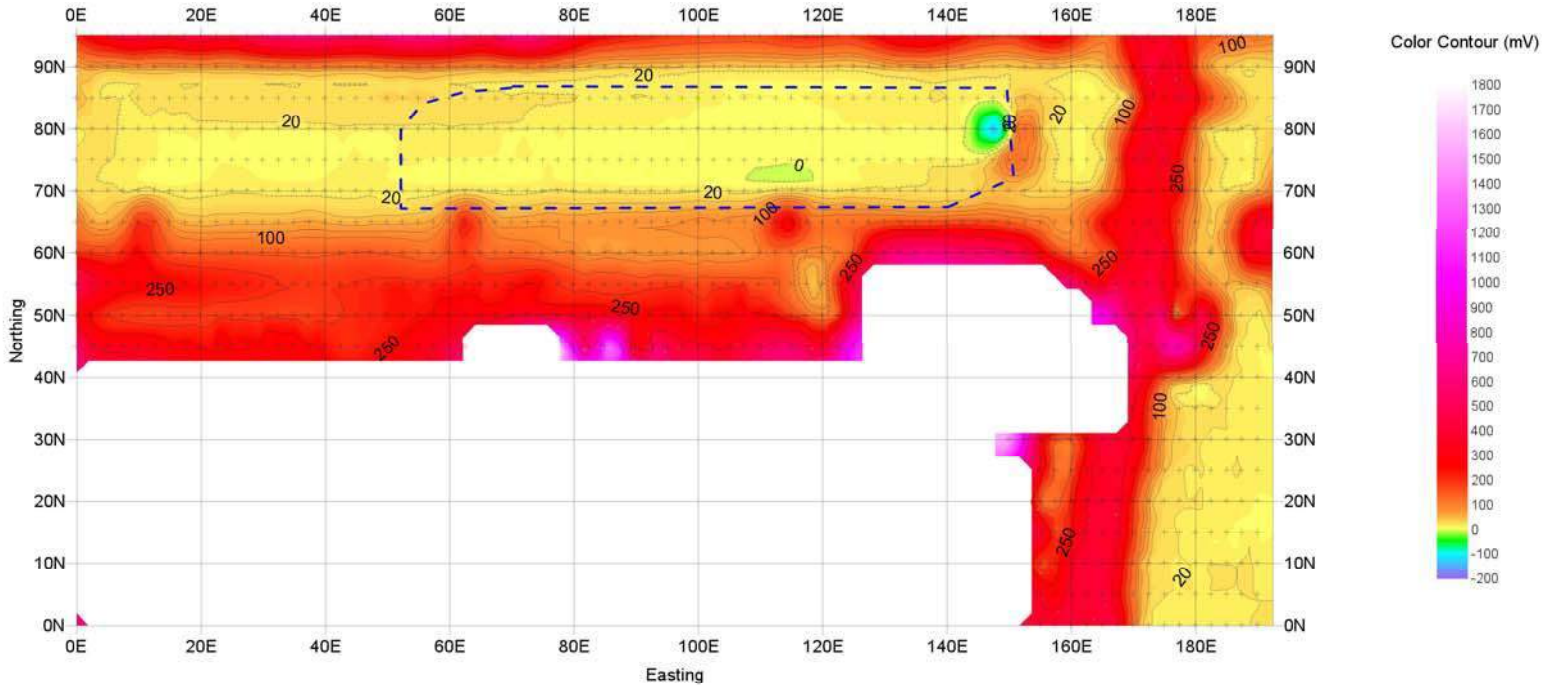
SPECTRUM ANSI-B (17x11) 2015



***Note: Not all below ground utilities or features may be represented on this map

SPECTRUM GEOPHYSICS "Revealing The Subsurface"
20434 CORISCO STREET
CHATSWORTH, CA 91311
Phone: (818) 886-4500
www.spectrum-geophysics.com

MAP: Geophysical Interpretation Map				FIGURE NO.: 1
PROJECT: Commercial Property, 700 North Sepulveda Boulevard, El Segundo, California				
PREPARED FOR: Ramboll Environ, Irvine, California				PROJECT NO.: 1603051Z
SCALE: 1 inch = 20 feet	DWG BY: SM	REVIEWED BY: CC	DATE: 3/11/2016	



EM-61 Survey Station

GPR Anomaly

0 10 20
(feet)

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www.spectrum-geophysics.com

MAP: **Contour Map of EM-61 Differential Data**

PROJECT: Commercial Property
700 North Sepulveda Boulevard
El Segundo, California

PREPARED FOR: Ramboll Environ
Irvine, California

SCALE: 1 inch = 20 feet

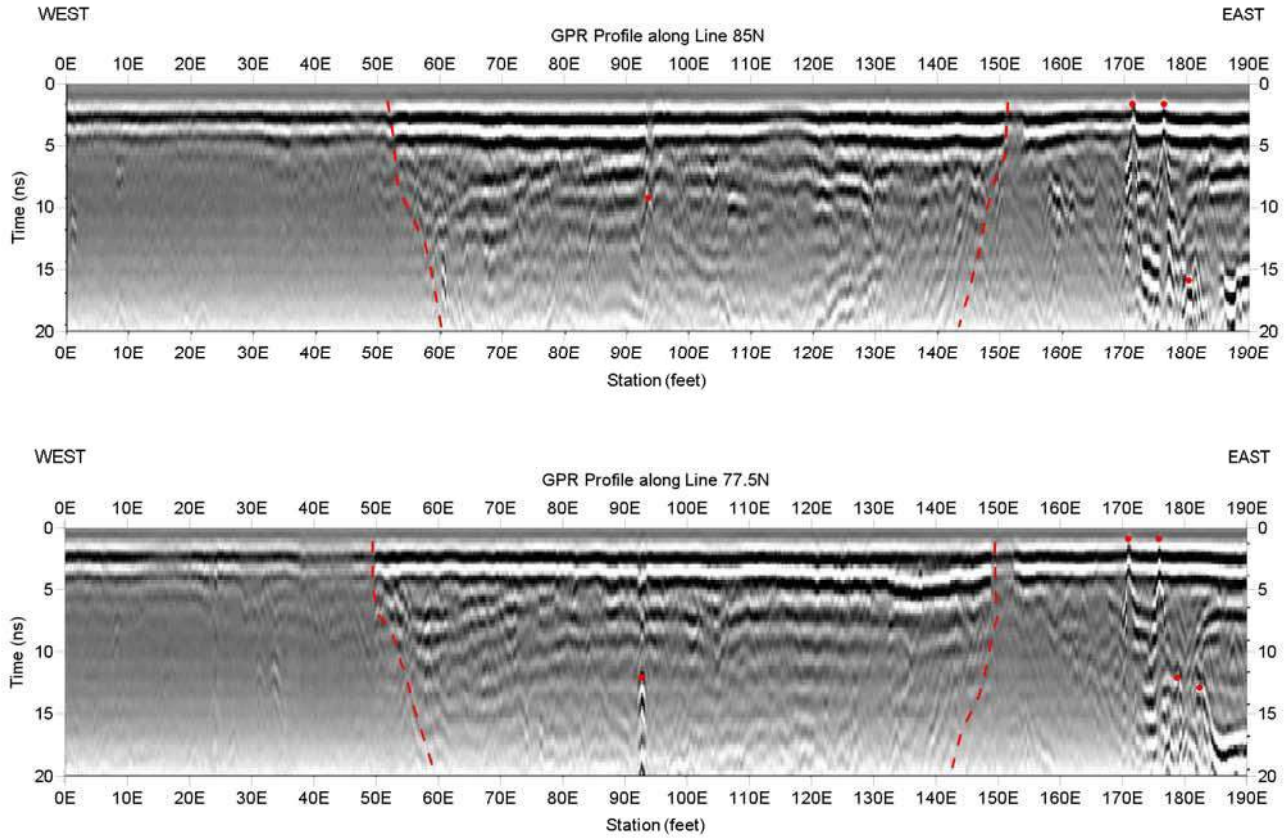
FIGURE BY: CC

REVIEWED BY: SM

FIGURE NO.: **2**

PROJECT NO.: 1603051Z

DATE: 03/11/16



Boundary of GPR Anomaly

GPR Reflector (from Buried Pipe or Rail Road Track)

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20434 Corisco Street
Chatsworth, California 91311
(818) 886-4500 www.spectrum-geophysics.com

FIGURE: Sample GPR Profiles — 3

PROJECT: Commercial Property
700 North Sepulveda Boulevard
El Segundo, California

PREPARED FOR: Ramboll Environ
Irvine, CA

PROJECT NO. 1603051Z

Horizontal Scale: 1 inch = 20 feet

SRF BY: CC

REVIEWED BY: SM

DATE: 03/11/16

RAMBOLL ENVIRON

ATTACHMENT B
SOIL VAPOR SAMPLE ANALYTICAL REPORT

Mobile Geochemistry Inc.

23 March 2016

Ms. Rebekah Wale
Ramboll Environ
18100 Von Karman Ave, Suite 600
Irvine, CA 92612

H&P Project: RAM031916-L6
Client Project: 04-16856Q /700 N. Sepulveda Blvd

Dear Ms. Rebekah Wale:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 19-Mar-16 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis Villarreal

Janis Villarreal
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MAT BLK	E603081-01	Vapor	19-Mar-16	19-Mar-16
SB-6-10.5	E603081-02	Vapor	19-Mar-16	19-Mar-16
SB-5-10.5	E603081-03	Vapor	19-Mar-16	19-Mar-16
SB-1-10.5	E603081-04	Vapor	19-Mar-16	19-Mar-16
SB-1-10.5 REP	E603081-05	Vapor	19-Mar-16	19-Mar-16
SB-2-10.5	E603081-06	Vapor	19-Mar-16	19-Mar-16
SB-3-10.5	E603081-07	Vapor	19-Mar-16	19-Mar-16
SB-4-12	E603081-08	Vapor	19-Mar-16	19-Mar-16

The percent recoveries for Dichlorodifluoromethane and Chloromethane fell below the method criteria in the continuing calibration verification. Any results for these analytes may be biased low.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

DETECTIONS SUMMARY

Sample ID: **MAT BLK** Laboratory ID: **E603081-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SB-6-10.5** Laboratory ID: **E603081-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.14**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**2.6**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.31**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.04**	0.02	ug/l	H&P 8260SV	
Carbon tetrachloride	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.05**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
Toluene	**0.22**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.29**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.13**	0.10	ug/l	H&P 8260SV	
Naphthalene	**0.04**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-5-10.5** Laboratory ID: **E603081-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.11**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.21**	0.10	ug/l	H&P 8260SV	
Benzene	**0.04**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.15**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-1-10.5** Laboratory ID: **E603081-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**0.32**	0.10	ug/l	H&P 8260SV	
Trichlorofluoromethane (F11)	**0.59**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.74**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.13**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Carbon tetrachloride	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.04**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.02**	0.02	ug/l	H&P 8260SV	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Sample ID: **SB-1-10.5** Laboratory ID: **E603081-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-1-10.5 REP** Laboratory ID: **E603081-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**0.28**	0.10	ug/l	H&P 8260SV	
Trichlorofluoromethane (F11)	**0.52**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**0.64**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.11**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	**0.05**	0.02	ug/l	H&P 8260SV	

Sample ID: **SB-2-10.5** Laboratory ID: **E603081-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**0.48**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.02**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.14**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-3-10.5** Laboratory ID: **E603081-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Dichloroethene	**2.0**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.29**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	
Benzene	**0.03**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.04**	0.02	ug/l	H&P 8260SV	
Tetrachloroethene	**0.03**	0.02	ug/l	H&P 8260SV	
m,p-Xylene	**0.23**	0.10	ug/l	H&P 8260SV	

Sample ID: **SB-4-12** Laboratory ID: **E603081-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichlorofluoromethane (F11)	**0.17**	0.10	ug/l	H&P 8260SV	
1,1-Dichloroethene	**1.7**	0.10	ug/l	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**0.27**	0.10	ug/l	H&P 8260SV	
Chloroform	**0.03**	0.02	ug/l	H&P 8260SV	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Sample ID: **SB-4-12** Laboratory ID: **E603081-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.02**	0.02	ug/l	H&P 8260SV	
Trichloroethene	**0.04**	0.02	ug/l	H&P 8260SV	
Toluene	**1.3**	0.20	ug/l	H&P 8260SV	
Tetrachloroethene	**0.06**	0.02	ug/l	H&P 8260SV	
Ethylbenzene	**0.57**	0.10	ug/l	H&P 8260SV	
m,p-Xylene	**2.4**	0.10	ug/l	H&P 8260SV	
o-Xylene	**0.97**	0.10	ug/l	H&P 8260SV	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

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MAT BLK (E603081-01) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	ND	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
MAT BLK (E603081-01) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-6-10.5 (E603081-02) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.14**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**2.6**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.31**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.04**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.05**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.06**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	**0.22**	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.29**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-6-10.5 (E603081-02) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	**0.13**	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	**0.04**	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-5-10.5 (E603081-03) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.11**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.21**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.04**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.15**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-5-10.5 (E603081-03) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*		*75-125*	"	"	"	"	

H&P Mobile
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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 (E603081-04) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	**0.32**	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.59**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.74**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.13**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.04**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.02**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 (E603081-04) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

SB-1-10.5 REP (E603081-05) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	**0.28**	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.52**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.64**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.11**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.05**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-1-10.5 REP (E603081-05) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

SB-2-10.5 (E603081-06) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**0.48**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.02**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	ND	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.14**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-2-10.5 (E603081-06) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-3-10.5 (E603081-07) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**2.0**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.29**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.03**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.04**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.03**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.23**	0.10	"	"	"	"	"	"	

H&P Mobile
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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-3-10.5 (E603081-07) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-4-12 (E603081-08) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.01	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	**0.17**	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	**1.7**	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**0.27**	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	**0.03**	0.02	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.02	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.02	"	"	"	"	"	"	
Benzene	**0.02**	0.02	"	"	"	"	"	"	
Trichloroethene	**0.04**	0.02	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	**1.3**	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	**0.06**	0.02	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.02	"	"	"	"	"	"	
Ethylbenzene	**0.57**	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**2.4**	0.10	"	"	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SB-4-12 (E603081-08) Vapor Sampled: 19-Mar-16 Received: 19-Mar-16									
o-Xylene	**0.97**	0.10	ug/l	0.01	EC61901	19-Mar-16	19-Mar-16	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.02	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*		*75-125*	"	"	"	"	

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
Blank (EC61901-BLK1)				Prepared & Analyzed: 19-Mar-16						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.01	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.02	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.02	"							
1,2-Dichloroethane (EDC)	ND	0.02	"							
Benzene	ND	0.02	"							
Trichloroethene	ND	0.02	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.02	"							
Dibromochloromethane	ND	0.10	"							

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
Blank (EC61901-BLK1)				Prepared & Analyzed: 19-Mar-16						
Chlorobenzene	ND	0.02	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.02	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.519*		"	*0.500*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.512*		"	*0.500*		*102*	*75-125*			
Surrogate: Toluene-d8	*0.539*		"	*0.500*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.537*		"	*0.500*		*107*	*75-125*			

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC61901 - EPA 5030										
LCS (EC61901-BS1)				Prepared & Analyzed: 19-Mar-16						
Dichlorodifluoromethane (F12)	3.7	0.50	ug/l	5.00		74.0	70-130			
Vinyl chloride	5.2	0.05	"	5.00		104	70-130			
Chloroethane	6.3	0.50	"	5.00		127	70-130			
Trichlorofluoromethane (F11)	4.7	0.50	"	5.00		94.4	70-130			
1,1-Dichloroethene	5.6	0.50	"	5.00		111	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.8	0.50	"	5.00		117	70-130			
Methylene chloride (Dichloromethane)	5.1	0.50	"	5.00		101	70-130			
trans-1,2-Dichloroethene	5.5	0.50	"	5.00		110	70-130			
1,1-Dichloroethane	5.1	0.50	"	5.00		102	70-130			
cis-1,2-Dichloroethene	5.4	0.50	"	5.00		107	70-130			
Chloroform	5.3	0.10	"	5.00		105	70-130			
1,1,1-Trichloroethane	5.1	0.50	"	5.00		102	70-130			
Carbon tetrachloride	5.4	0.10	"	5.00		109	70-130			
1,2-Dichloroethane (EDC)	5.0	0.10	"	5.00		101	70-130			
Benzene	5.0	0.10	"	5.00		100	70-130			
Trichloroethene	5.8	0.10	"	5.00		115	70-130			
Toluene	5.3	1.0	"	5.00		105	70-130			
1,1,2-Trichloroethane	5.7	0.50	"	5.00		114	70-130			
Tetrachloroethene	5.4	0.10	"	5.00		109	70-130			
Ethylbenzene	5.3	0.50	"	5.00		105	70-130			
1,1,1,2-Tetrachloroethane	5.4	0.50	"	5.00		108	70-130			
m,p-Xylene	10	0.50	"	10.0		101	70-130			
o-Xylene	5.1	0.50	"	5.00		102	70-130			
1,1,2,2-Tetrachloroethane	5.2	0.50	"	5.00		105	70-130			
Surrogate: Dibromofluoromethane	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		*"*	*2.50*		*102*	*75-125*			
Surrogate: Toluene-d8	*2.84*		*"*	*2.50*		*114*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*3.06*		*"*	*2.50*		*122*	*75-125*			

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Ramboll Environ	Project: RAM031916-L6	
18100 Von Karman Ave, Suite 600	Project Number: 04-16856Q /700 N. Sepulveda Blvd	Reported:
Irvine, CA 92612	Project Manager: Ms. Rebekah Wale	23-Mar-16 14:09

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L11-175.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

Mobile Geochemistry, Inc.
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VAPOR / AIR Chain of Custody

DATE: 3/19/16
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Ramboll Environ	Project Name / #: 04-16856Q
Lab Client Project Manager: Rebekah Wale	Project Location: 700 N. Sepulveda Blvd
Lab Client Address: 18100 Von Karman Ave. Suite 600	Report E-Mail(s): rwale@ramboll.com pHollandStergar@ramboll.com egrist@ramboll.com
Lab Client City, State, Zip: Irvine, CA 92612	
Phone Number: 949.261-5151	

Sample Receipt (Lab Use Only)

Date Rec'd: 3/19/16	Control #: 160216.08
H&P Project # RAM031916-L6	
Lab Work Order # EC03081	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☒ Excel EDD ☐ Other EDD:_____
☐ CA Geotracker Global ID:_____

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other:____

Sampler Information

Sampler(s): Tam Chu
Signature:
Date: 3/19/16

Additional Instructions to Laboratory:

☒ Check if Project Analyte List is Attached
EC 61901
*** Preferred VOC units (please choose one):***
☒ µg/L ☐ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15 ☐ TO-17m	TPHv as Gas ☐ 8260SV/m ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SV/m ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
Mat Blk		3/19/16	10:00	SV	Glass S.			X							X					
SB6-10.5			10:57					X							X					
SB5-10.5			11:53					X							X					
SB1. 10.5			12:54					X							X					
SB1-14.5 REP			13:15					X							X					
SB2. 10.5			13:55					X							X					
SB3-10.5			14:43					X							X					
SB4.12			1539					X							X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Pat Holland-Stergar	Ramboll Env.	3/19/16	1603		H&P	3/19/16	16:30
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

Rev 08/18/2014

H&P Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
Field Office in Signal Hill, CA (Los Angeles)
Ph: 800-834-9888 www.handpmg.com

H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Ultra Low RL** Vapor (µg/L)*
Dichlorodifluoromethane (F12)	75-71-8	0.1
Chloromethane	74-87-3	0.1
Vinyl chloride	75-01-4	0.01
Bromomethane	74-83-9	0.1
Chloroethane	75-00-3	0.1
Trichlorofluoromethane (F11)	75-69-4	0.1
1,1-Dichloroethene	75-35-4	0.1
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.1
Methylene chloride (Dichloromethane)	75-09-2	0.1
Methyl tertiary-butyl ether (MTBE)	1634-04-4	0.1
trans-1,2-Dichloroethene	156-60-5	0.1
1,1-Dichloroethane	75-34-3	0.1
2,2-Dichloropropane	594-20-7	0.1
cis-1,2-Dichloroethene	156-59-2	0.1
Bromochloromethane	74-97-5	0.1
Chloroform	67-66-3	0.02
1,1,1-Trichloroethane	71-55-6	0.1
1,1-Dichloropropene	563-58-6	0.1
Carbon tetrachloride	56-23-5	0.02
1,2-Dichloroethane (EDC)	107-06-2	0.02
Benzene	71-43-2	0.02
Trichloroethene	79-01-6	0.02
1,2-Dichloropropane	78-87-5	0.1
Dibromomethane	74-95-3	0.1
Bromodichloromethane	75-27-4	0.1
cis-1,3-Dichloropropene	10061-01-5	0.1
Toluene	108-88-3	0.2
trans-1,3-Dichloropropene	10061-02-6	0.1
1,1,2-Trichloroethane	79-00-5	0.1
1,3-Dichloropropane	142-28-9	0.1
Tetrachloroethene	127-18-4	0.02
Dibromochloromethane	124-48-1	0.1
1,2-Dibromoethane (EDB)	106-93-4	0.1
Chlorobenzene	108-90-7	0.02
1,1,1,2-Tetrachloroethane	630-20-6	0.1
Ethylbenzene	100-41-4	0.1
m,p-Xylene	179601-23-1	0.1
o-Xylene	95-47-6	0.1
Styrene	100-42-5	0.1
Bromoform	75-25-2	0.1
Isopropylbenzene (Cumene)	98-82-8	0.1
1,1,2,2-Tetrachloroethane	79-34-5	0.1
n-Propylbenzene	103-65-1	0.1

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H&P Method 8260SV (Modified EPA 8260B)
Soil Vapor VOC List

Compound	*CAS #*	*Ultra Low RL** Vapor (µg/L)*
1,2,3-Trichloropropane	96-18-4	0.1
Bromobenzene	108-86-1	0.1
2-Chlorotoluene	95-49-8	0.1
1,3,5-Trimethylbenzene	108-67-8	0.1
4-Chlorotoluene	106-43-4	0.1
tert-Butylbenzene	98-06-6	0.1
1,2,4-Trimethylbenzene	95-63-6	0.1
sec-Butylbenzene	135-98-8	0.1
p-Isopropyltoluene	99-87-6	0.1
1,3-Dichlorobenzene	541-73-1	0.1
1,4-Dichlorobenzene	106-46-7	0.1
n-Butylbenzene	104-51-8	0.1
1,2-Dichlorobenzene	95-50-1	0.1
1,2-Dibromo-3-chloropropane	96-12-8	1.0
1,2,4-Trichlorobenzene	120-82-1	0.1
Hexachlorobutadiene	87-68-3	0.1
Naphthalene	91-20-3	0.02
1,2,3-Trichlorobenzene	87-61-6	0.1
Leak Check Compound		
1,1-Difluoroethane (LCC)	75-37-6	0.1

***NOTE: Ultra-Low RLs can be achieved using a 100cc large volume injection - applicable for relatively low level samples only (Residential CHHSLs)*

H&P Mobile Geochemistry Inc.

FMS004
Revision: 3
Revised: 1/15/2016
Effective: 1/25/2016
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: RAM031916-L6 Date: 3/19/16

Site Address: 700 N. Sepulveda Blvd Page: 1 of 1

Consultant: Ramboll Environ H&P Rep(s): Tom

Consultant Rep(s): Patrick

Reviewed: DB

Scanned: DB

Equipment Info
Inline Gauge ID#:
Pump ID#: 002

Purge Volume Information
PV Amount: 3PV PV Includes: ☒ Tubing ☒ Sand 40% ☒ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☒ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☒ Hg ☐ H_2O
1	SB6-10.5	197/109	100cc	10:57	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	<200	10:43	<200	0
2	SB5-10.5	218/150	100cc	11:53	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	<200	10:43	<200	0
3	SB1-10.5	154/179	100cc	12:54	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	<200	10:43	<200	0
4	SB1-10.5 Rep	232/226	100cc	13:15	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2243	<200	–	<200	0
5	SB2-10.5	197/109	100cc	13:55	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	<200	10:43	<200	0
6	SB3-10.5	218/150	100cc	14:43	10.5	11.5	1/4	2.25	12	2.25	12	✓	✓	2143	<200	10:43	<200	0
7	SB4-12	154/179	100cc	15:39	12	13	1/4	2.25	12	2.25	12	✓	✓	2148	<200	10:44	<200	0
8	Mat. Blank	232/226	100cc	10:00	–	5'	1/4	–	–	–	–	–	–	73	<200	–	<200	–
9																		
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

11:41 1232

12:45 2:31 3:27 = 12ft

RAMBOLL ENVIRON

ATTACHMENT C
SOIL SAMPLE ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-142056-1
Client Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

For:
Ramboll Environ US Corporation
18100 Von Karman Avenue, Ste 600
Irvine, California 92612

Attn: Rebekah Wale

Authorized for release by:
3/30/2016 10:26:06 AM

Patty Mata, Senior Project Manager
(949)261-1022
patty.mata@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Receipt Checklists 82

Sample Summary

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-142056-1	SB-1-7	Solid	03/19/16 10:30	03/19/16 12:56
440-142056-2	SB-1-10	Solid	03/19/16 10:34	03/19/16 12:56
440-142056-4	SB-2-8	Solid	03/19/16 11:14	03/19/16 12:56
440-142056-5	SB-2-10	Solid	03/19/16 11:20	03/19/16 12:56
440-142056-7	SB-3-8	Solid	03/19/16 12:17	03/19/16 12:56
440-142056-8	SB-3-10	Solid	03/19/16 12:18	03/19/16 12:56
440-142056-10	SB-5-7.5	Solid	03/19/16 09:23	03/19/16 12:56
440-142056-11	SB-5-10	Solid	03/19/16 09:35	03/19/16 12:56
440-142056-13	SB-6-7	Solid	03/19/16 08:22	03/19/16 12:56
440-142056-14	SB-6-11	Solid	03/19/16 08:35	03/19/16 12:56
440-142062-1	SB-4-11	Solid	03/19/16 13:19	03/21/16 09:05
440-142062-2	SB-4-13	Solid	03/19/16 13:21	03/21/16 09:05
440-142062-4	IDW-Drum-031916	Solid	03/19/16 14:25	03/21/16 09:05

Job ID: 440-142056-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-142056-1

Comments
No additional comments.

Receipt
The samples were received on 3/19/2016 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

Receipt Exceptions
Method(s) 8260B: All the EPA 5035A Terracore water-preserved vials for the following sample froze and cracked during storage: SB-2-10 (440-142056-5). The EPA prep 5030B test method had to be used for this sample.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample was outside control limits: (440-142363-A-3). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 3546 / 8015B: The following sample had smaller initial amount used due to the nature of the sample matrix: SB-6-11 (440-142056-14). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Job ID: 440-142062-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-142062-1

Comments
No additional comments.

Receipt
The samples were received on 3/21/2016 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 440-319492 recovered above the upper control limit

Job ID: 440-142062-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

for Ethyl-t-butyl ether (ETBE). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: SB-4-13 (440-142062-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and/or precision of Antimony and Silver for preparation batch 440-319531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3546 / 8015B: The following samples had smaller initial amounts used due to the nature of the sample matrix: SB-4-11 (440-142062-1) and SB-4-13 (440-142062-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-1-7
Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloroethene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Ethyl-t-butyl ether (ETBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Hexachlorobutadiene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Isopropyl Ether (DIPE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
m,p-Xylene	ND		3.2		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Naphthalene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
n-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
sec-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Tert-amyl-methyl ether (TAME)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
tert-Butyl alcohol (TBA)	ND		81		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
tert-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 12:20	1

Client Sample ID: SB-1-7
Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,3-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,4-Trichlorobenzene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Trichlorofluoromethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,3-Trichloropropane	ND		8.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Vinyl chloride	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 12:20	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*	*03/20/16 07:18*	*03/23/16 12:20*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 120*	*03/20/16 07:18*	*03/23/16 12:20*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 12:20*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		310	ug/Kg		03/20/16 07:18	03/25/16 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*65 - 140*	*03/20/16 07:18*	*03/25/16 11:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 21:43	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*69*		*40 - 140*	*03/22/16 16:57*	*03/23/16 21:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	9.9	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Barium	**41**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Chromium	**11**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Cobalt	**3.1**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Copper	**4.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Lead	**2.3**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Nickel	**5.5**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:05	5

Client Sample ID: SB-1-7
Lab Sample ID: 440-142056-1
Date Collected: 03/19/16 10:30
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Vanadium	**17**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:05	5
Zinc	**15**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:05	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:29	1

Client Sample ID: SB-1-10
Lab Sample ID: 440-142056-2
Date Collected: 03/19/16 10:34
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromobenzene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromochloromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromodichloromethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromoform	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Bromomethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Carbon tetrachloride	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloroethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloroform	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Chloromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
2-Chlorotoluene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
4-Chlorotoluene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
cis-1,2-Dichloroethene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
cis-1,3-Dichloropropene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dibromochloromethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dibromo-3-Chloropropane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dibromoethane (EDB)	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dibromomethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,4-Dichlorobenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Dichlorodifluoromethane	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloroethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichloroethane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloroethene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
2,2-Dichloropropane	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1-Dichloropropene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Ethylbenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Ethyl-t-butyl ether (ETBE)	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Hexachlorobutadiene	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Isopropylbenzene	ND		1.7		ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Isopropyl Ether (DIPE)	ND		4.2		ug/Kg		03/20/16 07:18	03/23/16 12:49	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-1-10
Date Collected: 03/19/16 10:34
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		17	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Methyl-t-Butyl Ether (MTBE)	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
m,p-Xylene	ND		3.4	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Naphthalene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
n-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
N-Propylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
o-Xylene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
p-Isopropyltoluene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
sec-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Styrene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Tert-amyl-methyl ether (TAME)	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
tert-Butyl alcohol (TBA)	ND		85	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
tert-Butylbenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,1,2-Tetrachloroethane	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,2,2-Tetrachloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Tetrachloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Toluene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
trans-1,2-Dichloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
trans-1,3-Dichloropropene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,3-Trichlorobenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,4-Trichlorobenzene	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,1-Trichloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,1,2-Trichloroethane	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Trichloroethene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Trichlorofluoromethane	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,3-Trichloropropane	ND		8.5	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,2,4-Trimethylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
1,3,5-Trimethylbenzene	ND		1.7	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Vinyl chloride	ND		4.2	ug/Kg		03/20/16 07:18	03/23/16 12:49	1
Xylenes, Total	ND		3.4	ug/Kg		03/20/16 07:18	03/23/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*	*03/20/16 07:18*	*03/23/16 12:49*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 120*	*03/20/16 07:18*	*03/23/16 12:49*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 12:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		340	ug/Kg		03/20/16 07:18	03/25/16 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*65 - 140*	*03/20/16 07:18*	*03/25/16 11:54*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 22:06	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*72*		*40 - 140*	*03/22/16 21:24*	*03/23/16 22:06*	*1*

Client Sample ID: SB-1-10
Lab Sample ID: 440-142056-2
Date Collected: 03/19/16 10:34
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Barium	**87**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Beryllium	**0.53**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Chromium	**18**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Cobalt	**7.1**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Copper	**11**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Lead	**4.6**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Nickel	**9.7**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Vanadium	**31**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5
Zinc	**29**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:11	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:32	1

Client Sample ID: SB-2-8
Lab Sample ID: 440-142056-4
Date Collected: 03/19/16 11:14
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-8
Date Collected: 03/19/16 11:14
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1-Dichloroethene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Ethyl-t-butyl ether (ETBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Hexachlorobutadiene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Isopropyl Ether (DIPE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
m,p-Xylene	ND		3.3		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Naphthalene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
n-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
sec-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Tert-amyl-methyl ether (TAME)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
tert-Butyl alcohol (TBA)	ND		81		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
tert-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Tetrachloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Toluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
trans-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,1-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,1,2-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Trichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Trichlorofluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,3-Trichloropropane	ND		8.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Vinyl chloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 13:18	1
Xylenes, Total	ND		3.3		ug/Kg		03/20/16 07:18	03/23/16 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*	*03/20/16 07:18*	*03/23/16 13:18*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 120*	*03/20/16 07:18*	*03/23/16 13:18*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 13:18*	*1*

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-8

Lab Sample ID: 440-142056-4
Date Collected: 03/19/16 11:14
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		350	ug/Kg		03/20/16 07:18	03/25/16 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*65 - 140*	*03/20/16 07:18*	*03/25/16 12:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 19:23	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*64*		*40 - 140*	*03/22/16 16:57*	*03/23/16 19:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Barium	**86**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Beryllium	**0.69**		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Chromium	**21**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Cobalt	**11**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Copper	**14**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Lead	**5.5**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Nickel	**12**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Silver	ND		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Thallium	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Vanadium	**35**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5
Zinc	**37**		5.0	mg/Kg		03/21/16 08:56	03/24/16 19:15	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:34	1

Client Sample ID: SB-2-10

Lab Sample ID: 440-142056-5
Date Collected: 03/19/16 11:20
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/Kg			03/24/16 10:17	1
Bromobenzene	ND		5.0	ug/Kg			03/24/16 10:17	1
Bromochloromethane	ND		5.0	ug/Kg			03/24/16 10:17	1
Bromodichloromethane	ND		2.0	ug/Kg			03/24/16 10:17	1
Bromoform	ND		5.0	ug/Kg			03/24/16 10:17	1
Bromomethane	ND		5.0	ug/Kg			03/24/16 10:17	1
Carbon tetrachloride	ND		5.0	ug/Kg			03/24/16 10:17	1
Chlorobenzene	ND		2.0	ug/Kg			03/24/16 10:17	1
Chloroethane	ND		5.0	ug/Kg			03/24/16 10:17	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-2-10
Date Collected: 03/19/16 11:20
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		2.0		ug/Kg			03/24/16 10:17	1
Chloromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 10:17	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 10:17	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
Dibromochloromethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/24/16 10:17	1
Dibromomethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
Ethylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/24/16 10:17	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/24/16 10:17	1
Isopropylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/24/16 10:17	1
Methylene Chloride	ND		20		ug/Kg			03/24/16 10:17	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/24/16 10:17	1
m,p-Xylene	ND		4.0		ug/Kg			03/24/16 10:17	1
Naphthalene	ND		5.0		ug/Kg			03/24/16 10:17	1
n-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
N-Propylbenzene	ND		2.0		ug/Kg			03/24/16 10:17	1
o-Xylene	ND		2.0		ug/Kg			03/24/16 10:17	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/24/16 10:17	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
Styrene	ND		2.0		ug/Kg			03/24/16 10:17	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/24/16 10:17	1
tert-Butyl alcohol (TBA)	ND		99		ug/Kg			03/24/16 10:17	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
Tetrachloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
Toluene	ND		2.0		ug/Kg			03/24/16 10:17	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 10:17	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 10:17	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 10:17	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/24/16 10:17	1

Client Sample ID: SB-2-10
Date Collected: 03/19/16 11:20
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		2.0	ug/Kg			03/24/16 10:17	1
Trichlorofluoromethane	ND		5.0	ug/Kg			03/24/16 10:17	1
1,2,3-Trichloropropane	ND		9.9	ug/Kg			03/24/16 10:17	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			03/24/16 10:17	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			03/24/16 10:17	1
Vinyl chloride	ND		5.0	ug/Kg			03/24/16 10:17	1
Xylenes, Total	ND		4.0	ug/Kg			03/24/16 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*79 - 120*		*03/24/16 10:17*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 120*		*03/24/16 10:17*	*1*
Toluene-d8 (Surr)	*115*		*79 - 123*		*03/24/16 10:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			03/25/16 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*65 - 140*		*03/25/16 23:57*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	mg/Kg		03/22/16 21:24	03/23/16 21:45	1
ORO (C23-C40)	ND		5.0	mg/Kg		03/22/16 21:24	03/23/16 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*40 - 140*	*03/22/16 21:24*	*03/23/16 21:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Arsenic	**4.3**		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Barium	**64**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Beryllium	**0.65**		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Chromium	**25**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Cobalt	**3.5**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Copper	**12**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Lead	**4.9**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Nickel	**11**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Silver	ND		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Thallium	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Vanadium	**34**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5
Zinc	**32**		5.0	mg/Kg		03/21/16 08:56	03/24/16 19:16	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:36	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-3-8
Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromobenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromochloromethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromodichloromethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromoform	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Bromomethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Carbon tetrachloride	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chlorobenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloroethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloroform	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Chloromethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
2-Chlorotoluene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
4-Chlorotoluene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
cis-1,2-Dichloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
cis-1,3-Dichloropropene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dibromochloromethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dibromo-3-Chloropropane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dibromoethane (EDB)	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dibromomethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichlorobenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3-Dichlorobenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,4-Dichlorobenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Dichlorodifluoromethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloroethene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2-Dichloropropane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3-Dichloropropane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
2,2-Dichloropropane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1-Dichloropropene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Ethylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Ethyl-t-butyl ether (ETBE)	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Hexachlorobutadiene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Isopropylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Isopropyl Ether (DIPE)	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Methylene Chloride	ND		20	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Methyl-t-Butyl Ether (MTBE)	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
m,p-Xylene	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Naphthalene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
n-Butylbenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
N-Propylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
o-Xylene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
p-Isopropyltoluene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
sec-Butylbenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Styrene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Tert-amyl-methyl ether (TAME)	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
tert-Butyl alcohol (TBA)	ND		100	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
tert-Butylbenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,1,2-Tetrachloroethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1

Client Sample ID: SB-3-8
Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Tetrachloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Toluene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
trans-1,2-Dichloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,3-Trichlorobenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,4-Trichlorobenzene	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,1-Trichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,1,2-Trichloroethane	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Trichloroethene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Trichlorofluoromethane	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,3-Trichloropropane	ND		10	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Vinyl chloride	ND		5.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1
Xylenes, Total	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*	*03/20/16 07:18*	*03/23/16 13:47*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 120*	*03/20/16 07:18*	*03/23/16 13:47*	*1*
Toluene-d8 (Surr)	*106*		*79 - 123*	*03/20/16 07:18*	*03/23/16 13:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	ug/Kg		03/20/16 07:18	03/25/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*65 - 140*	*03/20/16 07:18*	*03/25/16 12:49*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	mg/Kg		03/22/16 16:57	03/23/16 19:43	1
ORO (C23-C40)	ND		5.0	mg/Kg		03/22/16 16:57	03/23/16 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*61*		*40 - 140*	*03/22/16 16:57*	*03/23/16 19:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Barium	**63**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Chromium	**16**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Cobalt	**5.6**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Copper	**9.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Lead	**4.1**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Nickel	**8.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:31	5

Client Sample ID: SB-3-8
Lab Sample ID: 440-142056-7
Date Collected: 03/19/16 12:17
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Vanadium	**29**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:31	5
Zinc	**26**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:31	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.039**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:43	1

Client Sample ID: SB-3-10
Lab Sample ID: 440-142056-8
Date Collected: 03/19/16 12:18
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromobenzene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromochloromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromoform	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Bromomethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Carbon tetrachloride	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloroethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Chloromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
2-Chlorotoluene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
4-Chlorotoluene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Dichlorodifluoromethane	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloroethene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Ethyl-t-butyl ether (ETBE)	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Hexachlorobutadiene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Isopropyl Ether (DIPE)	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:15	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-3-10
Date Collected: 03/19/16 12:18
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Methyl-t-Butyl Ether (MTBE)	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
m,p-Xylene	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Naphthalene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
n-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
sec-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Tert-amyl-methyl ether (TAME)	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
tert-Butyl alcohol (TBA)	ND		80	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
tert-Butylbenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,1,2-Tetrachloroethane	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,3-Trichlorobenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,4-Trichlorobenzene	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Trichlorofluoromethane	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,3-Trichloropropane	ND		8.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Vinyl chloride	ND		4.0	ug/Kg		03/20/16 07:18	03/23/16 14:15	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*	*03/20/16 07:18*	*03/23/16 14:15*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 120*	*03/20/16 07:18*	*03/23/16 14:15*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 14:15*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	ug/Kg			03/26/16 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*65 - 140*		*03/26/16 00:23*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	**6.0**		4.9	mg/Kg		03/22/16 21:24	03/23/16 21:23	1
ORO (C23-C40)	ND		4.9	mg/Kg		03/22/16 21:24	03/23/16 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*03/22/16 21:24*	*03/23/16 21:23*	*1*

Client Sample ID: SB-3-10
Lab Sample ID: 440-142056-8
Date Collected: 03/19/16 12:18
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Arsenic	**3.6**		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Barium	**83**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Beryllium	**0.63**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Chromium	**22**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Cobalt	**8.0**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Copper	**16**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Lead	**5.2**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Nickel	**14**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Vanadium	**36**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:33	5
Zinc	**38**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:33	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:46	1

Client Sample ID: SB-5-7.5
Lab Sample ID: 440-142056-10
Date Collected: 03/19/16 09:23
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromochloromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromodichloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromoform	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Bromomethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Carbon tetrachloride	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloroethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloroform	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Chloromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
2-Chlorotoluene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
4-Chlorotoluene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dibromochloromethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dibromomethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-5-7.5
Date Collected: 03/19/16 09:23
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
2,2-Dichloropropane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Ethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Isopropylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Methylene Chloride	ND		20		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
m,p-Xylene	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Naphthalene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
n-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
N-Propylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
o-Xylene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
p-Isopropyltoluene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
sec-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Styrene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
tert-Butyl alcohol (TBA)	ND		99		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
tert-Butylbenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Tetrachloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Toluene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Trichloroethene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,3-Trichloropropane	ND		9.9		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Vinyl chloride	ND		5.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1
Xylenes, Total	ND		4.0		ug/Kg		03/20/16 07:18	03/23/16 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*79 - 120*	*03/20/16 07:18*	*03/23/16 14:44*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 120*	*03/20/16 07:18*	*03/23/16 14:44*	*1*
Toluene-d8 (Surr)	*113*		*79 - 123*	*03/20/16 07:18*	*03/23/16 14:44*	*1*

Client Sample ID: SB-5-7.5
Lab Sample ID: 440-142056-10
Date Collected: 03/19/16 09:23
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320		ug/Kg		03/20/16 07:18	03/25/16 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*	*03/20/16 07:18*	*03/25/16 13:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9		mg/Kg		03/22/16 16:57	03/23/16 22:42	1
ORO (C23-C40)	**32**		4.9		mg/Kg		03/22/16 16:57	03/23/16 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*64*		*40 - 140*	*03/22/16 16:57*	*03/23/16 22:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Barium	**47**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Beryllium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Chromium	**14**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Cobalt	**3.5**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Copper	**5.9**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Lead	**4.8**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Nickel	**6.8**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Vanadium	**19**		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:36	5
Zinc	**24**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:36	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:48	1

Client Sample ID: SB-5-10
Lab Sample ID: 440-142056-11
Date Collected: 03/19/16 09:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromochloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromoform	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Bromomethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Carbon tetrachloride	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-5-10
Date Collected: 03/19/16 09:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Chloromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
2-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
4-Chlorotoluene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Dichlorodifluoromethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloroethene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Ethyl-t-butyl ether (ETBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Hexachlorobutadiene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Isopropyl Ether (DIPE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Methylene Chloride	ND		16		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Methyl-t-Butyl Ether (MTBE)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
m,p-Xylene	ND		3.3		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Naphthalene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
n-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
N-Propylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
o-Xylene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
p-Isopropyltoluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
sec-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Styrene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Tert-amyl-methyl ether (TAME)	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
tert-Butyl alcohol (TBA)	ND		81		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
tert-Butylbenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Tetrachloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Toluene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
trans-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,1-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,1,2-Trichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Client Sample ID: SB-5-10
Date Collected: 03/19/16 09:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Trichlorofluoromethane	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,3-Trichloropropane	ND		8.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Vinyl chloride	ND		4.1	ug/Kg		03/20/16 07:18	03/23/16 15:13	1
Xylenes, Total	ND		3.3	ug/Kg		03/20/16 07:18	03/23/16 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*79 - 120*	*03/20/16 07:18*	*03/23/16 15:13*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 120*	*03/20/16 07:18*	*03/23/16 15:13*	*1*
Toluene-d8 (Surr)	*105*		*79 - 123*	*03/20/16 07:18*	*03/23/16 15:13*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		03/20/16 07:18	03/25/16 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*65 - 140*	*03/20/16 07:18*	*03/25/16 14:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	mg/Kg		03/22/16 21:24	03/24/16 16:51	1
ORO (C23-C40)	**12**		5.0	mg/Kg		03/22/16 21:24	03/24/16 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*83*		*40 - 140*	*03/22/16 21:24*	*03/24/16 16:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Arsenic	**3.8**		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Barium	**65**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Beryllium	**0.60**		0.49	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Cadmium	ND		0.49	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Chromium	**22**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Cobalt	**4.6**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Copper	**12**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Lead	**5.0**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Nickel	**11**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Silver	ND		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Thallium	ND		9.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Vanadium	**33**		0.99	mg/Kg		03/21/16 08:56	03/24/16 19:38	5
Zinc	**30**		4.9	mg/Kg		03/21/16 08:56	03/24/16 19:38	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:50	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-7
Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromochloromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromodichloromethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromoform	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Bromomethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Carbon tetrachloride	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chlorobenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloroethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloroform	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Chloromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
2-Chlorotoluene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
4-Chlorotoluene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
cis-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
cis-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dibromochloromethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dibromo-3-Chloropropane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dibromoethane (EDB)	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dibromomethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichlorobenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3-Dichlorobenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,4-Dichlorobenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Dichlorodifluoromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloroethene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
2,2-Dichloropropane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Ethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Ethyl-t-butyl ether (ETBE)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Hexachlorobutadiene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Isopropylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Isopropyl Ether (DIPE)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Methyl-t-Butyl Ether (MTBE)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
m,p-Xylene	ND		3.1	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Naphthalene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
n-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
sec-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Tert-amyl-methyl ether (TAME)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
tert-Butyl alcohol (TBA)	ND		78	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
tert-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,1,2-Tetrachloroethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-7
Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,3-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,4-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Trichlorofluoromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,3-Trichloropropane	ND		7.8	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Vinyl chloride	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 15:42	1
Xylenes, Total	ND		3.1	ug/Kg		03/20/16 07:18	03/23/16 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*79 - 120*	*03/20/16 07:18*	*03/23/16 15:42*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 120*	*03/20/16 07:18*	*03/23/16 15:42*	*1*
Toluene-d8 (Surr)	*108*		*79 - 123*	*03/20/16 07:18*	*03/23/16 15:42*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		300	ug/Kg		03/20/16 07:18	03/25/16 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*	*03/20/16 07:18*	*03/25/16 14:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		4.9	mg/Kg		03/22/16 16:57	03/23/16 22:03	1
ORO (C23-C40)	**17**		4.9	mg/Kg		03/22/16 16:57	03/23/16 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*63*		*40 - 140*	*03/22/16 16:57*	*03/23/16 22:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Arsenic	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Barium	**82**		1.5	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Beryllium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Cadmium	ND		0.50	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Chromium	**18**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Cobalt	**6.2**		1.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Copper	**9.9**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Lead	**5.3**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Molybdenum	ND		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Nickel	**9.8**		2.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Selenium	ND		3.0	mg/Kg		03/21/16 08:56	03/24/16 19:42	5

Client Sample ID: SB-6-7
Lab Sample ID: 440-142056-13
Date Collected: 03/19/16 08:22
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Vanadium	**30**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:42	5
Zinc	**34**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:42	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:52	1

Client Sample ID: SB-6-11
Lab Sample ID: 440-142056-14
Date Collected: 03/19/16 08:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromobenzene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromochloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromodichloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromoform	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Bromomethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Carbon tetrachloride	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloroethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloroform	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Chloromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
2-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
4-Chlorotoluene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dibromochloromethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dibromoethane (EDB)	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dibromomethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Dichlorodifluoromethane	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichloroethane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloroethene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
2,2-Dichloropropane	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1-Dichloropropene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Ethylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Ethyl-t-butyl ether (ETBE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Hexachlorobutadiene	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Isopropylbenzene	ND		1.6		ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Isopropyl Ether (DIPE)	ND		3.9		ug/Kg		03/20/16 07:18	03/23/16 16:10	1

Client Sample ID: SB-6-11
Date Collected: 03/19/16 08:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		16	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Methyl-t-Butyl Ether (MTBE)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
m,p-Xylene	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Naphthalene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
n-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
N-Propylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
o-Xylene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
p-Isopropyltoluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
sec-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Styrene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Tert-amyl-methyl ether (TAME)	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
tert-Butyl alcohol (TBA)	ND		79	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
tert-Butylbenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,1,2-Tetrachloroethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Tetrachloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Toluene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
trans-1,2-Dichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,3-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,4-Trichlorobenzene	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,1-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,1,2-Trichloroethane	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Trichloroethene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Trichlorofluoromethane	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,3-Trichloropropane	ND		7.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Vinyl chloride	ND		3.9	ug/Kg		03/20/16 07:18	03/23/16 16:10	1
Xylenes, Total	ND		3.2	ug/Kg		03/20/16 07:18	03/23/16 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*79 - 120*	*03/20/16 07:18*	*03/23/16 16:10*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 120*	*03/20/16 07:18*	*03/23/16 16:10*	*1*
Toluene-d8 (Surr)	*112*		*79 - 123*	*03/20/16 07:18*	*03/23/16 16:10*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		320	ug/Kg		03/20/16 07:18	03/25/16 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*65 - 140*	*03/20/16 07:18*	*03/25/16 15:05*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		10	mg/Kg		03/22/16 21:27	03/24/16 17:11	1
ORO (C23-C40)	**48**		10	mg/Kg		03/22/16 21:27	03/24/16 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*82*		*40 - 140*	*03/22/16 21:27*	*03/24/16 17:11*	*1*

Client Sample ID: SB-6-11
Lab Sample ID: 440-142056-14
Date Collected: 03/19/16 08:35
Matrix: Solid
Date Received: 03/19/16 12:56

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Barium	**92**		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Beryllium	**0.53**		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Chromium	**19**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Cobalt	**6.8**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Copper	**12**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Lead	**7.4**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Nickel	**11**		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Thallium	ND		10		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Vanadium	**33**		1.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5
Zinc	**60**		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:44	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:55	1

Client Sample ID: SB-4-11
Lab Sample ID: 440-142062-1
Date Collected: 03/19/16 13:19
Matrix: Solid
Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromochloromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromodichloromethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromoform	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Bromomethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Carbon tetrachloride	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloroethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloroform	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Chloromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
2-Chlorotoluene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
4-Chlorotoluene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
cis-1,2-Dichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
cis-1,3-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dibromochloromethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dibromo-3-Chloropropane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dibromoethane (EDB)	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dibromomethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,4-Dichlorobenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Dichlorodifluoromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-4-11
Date Collected: 03/19/16 13:19
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1-Dichloroethene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
2,2-Dichloropropane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Ethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Ethyl-t-butyl ether (ETBE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Hexachlorobutadiene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Isopropylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Isopropyl Ether (DIPE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Methylene Chloride	ND		21		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Methyl-t-Butyl Ether (MTBE)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
m,p-Xylene	ND		4.2		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Naphthalene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
n-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
N-Propylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
o-Xylene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
p-Isopropyltoluene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
sec-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Styrene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Tert-amyl-methyl ether (TAME)	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
tert-Butyl alcohol (TBA)	ND		110		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
tert-Butylbenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,1,2-Tetrachloroethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Tetrachloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Toluene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
trans-1,2-Dichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,3-Trichlorobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,4-Trichlorobenzene	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,1-Trichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,1,2-Trichloroethane	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Trichloroethene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Trichlorofluoromethane	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,3-Trichloropropane	ND		11		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Vinyl chloride	ND		5.3		ug/Kg		03/21/16 11:30	03/24/16 14:04	1
Xylenes, Total	ND		4.2		ug/Kg		03/21/16 11:30	03/24/16 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*79 - 120*	*03/21/16 11:30*	*03/24/16 14:04*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 120*	*03/21/16 11:30*	*03/24/16 14:04*	*1*
Toluene-d8 (Surr)	*112*		*79 - 123*	*03/21/16 11:30*	*03/24/16 14:04*	*1*

Client Sample ID: SB-4-11

Lab Sample ID: 440-142062-1

Date Collected: 03/19/16 13:19

Matrix: Solid

Date Received: 03/21/16 09:05

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/27/16 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*65 - 140*		*03/27/16 02:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		11		mg/Kg		03/21/16 16:02	03/22/16 15:10	1
ORO (C23-C40)	ND		11		mg/Kg		03/21/16 16:02	03/22/16 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*68*		*40 - 140*	*03/21/16 16:02*	*03/22/16 15:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Arsenic	**4.1**		3.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Barium	**72**		1.5		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Beryllium	**0.69**		0.50		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Cadmium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Chromium	**26**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Cobalt	**5.5**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Copper	**12**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Lead	**5.2**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Nickel	**12**		2.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Selenium	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Silver	ND		1.5		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Thallium	ND		10		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Vanadium	**36**		1.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5
Zinc	**31**		5.0		mg/Kg		03/21/16 10:16	03/24/16 19:59	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:57	1

Client Sample ID: SB-4-13

Lab Sample ID: 440-142062-2

Date Collected: 03/19/16 13:21

Matrix: Solid

Date Received: 03/21/16 09:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromochloromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromodichloromethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromoform	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Bromomethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Carbon tetrachloride	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chloroethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-4-13
Date Collected: 03/19/16 13:21
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Chloromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
2-Chlorotoluene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
4-Chlorotoluene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
cis-1,2-Dichloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
cis-1,3-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dibromochloromethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dibromo-3-Chloropropane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dibromoethane (EDB)	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dibromomethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,4-Dichlorobenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Dichlorodifluoromethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloroethene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
2,2-Dichloropropane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Ethylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Ethyl-t-butyl ether (ETBE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Hexachlorobutadiene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Isopropylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Isopropyl Ether (DIPE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Methylene Chloride	ND		18		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Methyl-t-Butyl Ether (MTBE)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
m,p-Xylene	ND		3.7		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Naphthalene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
n-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
N-Propylbenzene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
o-Xylene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
p-Isopropyltoluene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
sec-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Styrene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Tert-amyl-methyl ether (TAME)	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
tert-Butyl alcohol (TBA)	ND		92		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
tert-Butylbenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Tetrachloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Toluene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
trans-1,2-Dichloroethene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,1-Trichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,1,2-Trichloroethane	ND		1.8		ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Client Sample ID: SB-4-13
Date Collected: 03/19/16 13:21
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Trichlorofluoromethane	ND		4.6	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,3-Trichloropropane	ND		9.2	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,2,4-Trimethylbenzene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
1,3,5-Trimethylbenzene	ND		1.8	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Vinyl chloride	ND		4.6	ug/Kg		03/21/16 11:30	03/23/16 17:11	1
Xylenes, Total	ND		3.7	ug/Kg		03/21/16 11:30	03/23/16 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*	*03/21/16 11:30*	*03/23/16 17:11*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 120*	*03/21/16 11:30*	*03/23/16 17:11*	*1*
Toluene-d8 (Surr)	*102*		*79 - 123*	*03/21/16 11:30*	*03/23/16 17:11*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390	ug/Kg			03/27/16 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*65 - 140*		*03/27/16 02:51*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		50	mg/Kg		03/22/16 21:27	03/24/16 15:51	1
ORO (C23-C40)	**110**		50	mg/Kg		03/22/16 21:27	03/24/16 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*84*		*40 - 140*	*03/22/16 21:27*	*03/24/16 15:51*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND	F1	9.9	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Arsenic	ND		3.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Barium	**49**		1.5	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Beryllium	**0.50**		0.50	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Cadmium	ND		0.50	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Chromium	**15**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Cobalt	**6.5**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Copper	**8.1**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Lead	**3.6**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Molybdenum	ND		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Nickel	**8.5**		2.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Selenium	ND		3.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Silver	ND	F1 F2	1.5	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Thallium	ND		9.9	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Vanadium	**22**		0.99	mg/Kg		03/23/16 08:37	03/29/16 22:50	5
Zinc	**22**		5.0	mg/Kg		03/23/16 08:37	03/29/16 22:50	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	mg/Kg		03/28/16 07:56	03/28/16 12:59	1

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: IDW-Drum-031916
Date Collected: 03/19/16 14:25
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Arsenic	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Barium	**59**		1.5		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Beryllium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Cadmium	ND		0.50		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Chromium	**14**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Cobalt	**4.5**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Copper	**8.1**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Lead	**5.6**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Nickel	**8.0**		2.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Selenium	ND		3.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Silver	ND		1.5		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Thallium	ND		9.9		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Vanadium	**22**		0.99		mg/Kg		03/21/16 10:16	03/24/16 20:01	5
Zinc	**32**		5.0		mg/Kg		03/21/16 10:16	03/24/16 20:01	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.020		mg/Kg		03/28/16 07:56	03/28/16 13:02	1

Method Summary

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: SB-1-7

Date Collected: 03/19/16 10:30
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.17 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.17 g	10 mL	319521	03/23/16 12:20	AL	TAL IRV
Total/NA	Prep	5035			6.43 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.43 g	10 mL	320146	03/25/16 11:27	JB	TAL IRV
Total/NA	Prep	3546			15.18 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.18 g	1 mL	319565	03/23/16 21:43	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:05	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:29	DB	TAL IRV

Client Sample ID: SB-1-10

Date Collected: 03/19/16 10:34
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.89 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	5.89 g	10 mL	319521	03/23/16 12:49	AL	TAL IRV
Total/NA	Prep	5035			5.83 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.83 g	10 mL	320146	03/25/16 11:54	JB	TAL IRV
Total/NA	Prep	3546			15.24 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.24 g	1 mL	319673	03/23/16 22:06	CN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.00 g	50 mL	320099	03/24/16 19:11	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:32	DB	TAL IRV

Client Sample ID: SB-2-8

Date Collected: 03/19/16 11:14
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.15 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.15 g	10 mL	319521	03/23/16 13:18	AL	TAL IRV
Total/NA	Prep	5035			5.69 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.69 g	10 mL	320146	03/25/16 12:21	JB	TAL IRV
Total/NA	Prep	3546			15.17 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.17 g	1 mL	319565	03/23/16 19:23	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:15	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.49 g	50 mL	320686	03/28/16 12:34	DB	TAL IRV

Client Sample ID: SB-2-10

Date Collected: 03/19/16 11:20
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.05 g	10 mL	319787	03/24/16 10:17	HR	TAL IRV
Total/NA	Analysis	8015B		1	5.01 g	10 mL	320145	03/25/16 23:57	JB	TAL IRV
Total/NA	Prep	3546			15.06 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.06 g	1 mL	319673	03/23/16 21:45	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:16	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:36	DB	TAL IRV

Client Sample ID: SB-3-8

Date Collected: 03/19/16 12:17
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.88 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	4.88 g	10 mL	319521	03/23/16 13:47	AL	TAL IRV
Total/NA	Prep	5035			5.12 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	5.12 g	10 mL	320146	03/25/16 12:49	JB	TAL IRV
Total/NA	Prep	3546			15.01 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.01 g	1 mL	319565	03/23/16 19:43	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:31	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:43	DB	TAL IRV

Client Sample ID: SB-3-10

Date Collected: 03/19/16 12:18
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.26 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.26 g	10 mL	319521	03/23/16 14:15	AL	TAL IRV
Total/NA	Analysis	8015B		1	5.05 g	10 mL	320145	03/26/16 00:23	JB	TAL IRV
Total/NA	Prep	3546			15.34 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.34 g	1 mL	319673	03/23/16 21:23	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:33	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:46	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-5-7.5

Date Collected: 03/19/16 09:23
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	5.03 g	10 mL	319521	03/23/16 14:44	AL	TAL IRV
Total/NA	Prep	5035			6.31 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.31 g	10 mL	320146	03/25/16 13:43	JB	TAL IRV
Total/NA	Prep	3546			15.32 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.32 g	1 mL	319565	03/23/16 22:42	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 19:36	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:48	DB	TAL IRV

Client Sample ID: SB-5-10

Date Collected: 03/19/16 09:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.14 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.14 g	10 mL	319521	03/23/16 15:13	AL	TAL IRV
Total/NA	Prep	5035			6.34 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.34 g	10 mL	320146	03/25/16 14:11	JB	TAL IRV
Total/NA	Prep	3546			15.14 g	1 mL	319403	03/22/16 21:24	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.14 g	1 mL	319836	03/24/16 16:51	CN	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.03 g	50 mL	320099	03/24/16 19:38	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:50	DB	TAL IRV

Client Sample ID: SB-6-7

Date Collected: 03/19/16 08:22
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.38 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.38 g	10 mL	319521	03/23/16 15:42	AL	TAL IRV
Total/NA	Prep	5035			6.58 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.58 g	10 mL	320146	03/25/16 14:38	JB	TAL IRV
Total/NA	Prep	3546			15.24 g	1 mL	319403	03/22/16 16:57	VA	TAL IRV
Total/NA	Analysis	8015B		1	15.24 g	1 mL	319565	03/23/16 22:03	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:42	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:52	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: SB-6-11

Date Collected: 03/19/16 08:35
Date Received: 03/19/16 12:56

Lab Sample ID: 440-142056-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.34 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8260B		1	6.34 g	10 mL	319521	03/23/16 16:10	AL	TAL IRV
Total/NA	Prep	5035			6.23 g	10 mL	318793	03/20/16 07:18	JB	TAL IRV
Total/NA	Analysis	8015B		1	6.23 g	10 mL	320146	03/25/16 15:05	JB	TAL IRV
Total/NA	Prep	3546			7.33 g	1 mL	319463	03/22/16 21:27	VA	TAL IRV
Total/NA	Analysis	8015B		1	7.33 g	1 mL	319836	03/24/16 17:11	CN	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	318959	03/21/16 08:56	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.00 g	50 mL	320099	03/24/16 19:44	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:55	DB	TAL IRV

Client Sample ID: SB-4-11

Date Collected: 03/19/16 13:19
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.75 g	10 mL	319021	03/21/16 11:30	AL	TAL IRV
Total/NA	Analysis	8260B		1	4.75 g	10 mL	319787	03/24/16 14:04	HR	TAL IRV
Total/NA	Analysis	8015B		1	5.04 g	10 mL	320379	03/27/16 02:22	IM	TAL IRV
Total/NA	Prep	3546			7.08 g	1 mL	319096	03/21/16 16:02	VA	TAL IRV
Total/NA	Analysis	8015B		1	7.08 g	1 mL	319243	03/22/16 15:10	CN	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	318959	03/21/16 10:16	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.01 g	50 mL	320099	03/24/16 19:59	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.51 g	50 mL	320686	03/28/16 12:57	DB	TAL IRV

Client Sample ID: SB-4-13

Date Collected: 03/19/16 13:21
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.43 g	10 mL	319021	03/21/16 11:30	AL	TAL IRV
Total/NA	Analysis	8260B		1	5.43 g	10 mL	319492	03/23/16 17:11	AL	TAL IRV
Total/NA	Analysis	8015B		1	5.08 g	10 mL	320379	03/27/16 02:51	IM	TAL IRV
Total/NA	Prep	3546			1.50 g	1 mL	319463	03/22/16 21:27	VA	TAL IRV
Total/NA	Analysis	8015B		1	1.50 g	1 mL	319836	03/24/16 15:51	CN	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	319531	03/23/16 08:37	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	321081	03/29/16 22:50	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.50 g	50 mL	320686	03/28/16 12:59	DB	TAL IRV

Lab Chronicle

Client: Ramboll Environ US Corporation
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

TestAmerica Job ID: 440-142056-1

Client Sample ID: IDW-Drum-031916

Date Collected: 03/19/16 14:25
Date Received: 03/21/16 09:05

Lab Sample ID: 440-142062-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	318959	03/21/16 10:16	DT	TAL IRV
Total/NA	Analysis	6010B		5	2.02 g	50 mL	320099	03/24/16 20:01	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	320203	03/28/16 07:56	DB	TAL IRV
Total/NA	Analysis	7471A		1	0.49 g	50 mL	320686	03/28/16 13:02	DB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-319492/4
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Bromobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromochloromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromodichloromethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Bromoform	ND		5.0		ug/Kg			03/23/16 08:26	1
Bromomethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/23/16 08:26	1
Chlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Chloroethane	ND		5.0		ug/Kg			03/23/16 08:26	1
Chloroform	ND		2.0		ug/Kg			03/23/16 08:26	1
Chloromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 08:26	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 08:26	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
Dibromochloromethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/23/16 08:26	1
Dibromomethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
Ethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/23/16 08:26	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/23/16 08:26	1
Isopropylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/23/16 08:26	1
Methylene Chloride	ND		20		ug/Kg			03/23/16 08:26	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/23/16 08:26	1
m,p-Xylene	ND		4.0		ug/Kg			03/23/16 08:26	1
Naphthalene	ND		5.0		ug/Kg			03/23/16 08:26	1
n-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
N-Propylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
o-Xylene	ND		2.0		ug/Kg			03/23/16 08:26	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/23/16 08:26	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
Styrene	ND		2.0		ug/Kg			03/23/16 08:26	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/23/16 08:26	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/23/16 08:26	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/23/16 08:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319492/4
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Tetrachloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
Toluene	ND		2.0		ug/Kg			03/23/16 08:26	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 08:26	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/23/16 08:26	1
Trichloroethene	ND		2.0		ug/Kg			03/23/16 08:26	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/23/16 08:26	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/23/16 08:26	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 08:26	1
Vinyl chloride	ND		5.0		ug/Kg			03/23/16 08:26	1
Xylenes, Total	ND		4.0		ug/Kg			03/23/16 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*10*		*01 - 792*		*23/93/76 2: 896*	*7*
Dibromofluoromethane (Surr)	*16*		*62 - 792*		*23/93/76 2: 896*	*7*
Toluene-d: (Surr)	*723*		*01 - 793*		*23/93/76 2: 896*	*7*

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.3		ug/Kg		95	65 - 120
Bromobenzene	50.0	52.8		ug/Kg		106	75 - 120
Bromochloromethane	50.0	53.1		ug/Kg		106	70 - 135
Bromodichloromethane	50.0	51.3		ug/Kg		103	70 - 135
Bromoform	50.0	56.7		ug/Kg		113	55 - 135
Bromomethane	50.0	46.6		ug/Kg		93	60 - 145
Carbon tetrachloride	50.0	54.8		ug/Kg		110	65 - 140
Chlorobenzene	50.0	47.3		ug/Kg		95	75 - 120
Chloroethane	50.0	47.1		ug/Kg		94	60 - 140
Chloroform	50.0	47.4		ug/Kg		95	70 - 130
Chloromethane	50.0	46.2		ug/Kg		92	45 - 145
2-Chlorotoluene	50.0	46.7		ug/Kg		93	70 - 125
4-Chlorotoluene	50.0	46.9		ug/Kg		94	75 - 125
cis-1,2-Dichloroethene	50.0	51.1		ug/Kg		102	70 - 125
cis-1,3-Dichloropropene	50.0	53.0		ug/Kg		106	75 - 125
Dibromochloromethane	50.0	49.5		ug/Kg		99	65 - 140
1,2-Dibromo-3-Chloropropane	50.0	48.6		ug/Kg		97	50 - 135
1,2-Dibromoethane (EDB)	50.0	53.7		ug/Kg		107	70 - 130
Dibromomethane	50.0	53.5		ug/Kg		107	70 - 130
1,2-Dichlorobenzene	50.0	50.3		ug/Kg		101	75 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 125
1,4-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
Dichlorodifluoromethane	50.0	43.8		ug/Kg		88	35 - 160
1,1-Dichloroethane	50.0	46.8		ug/Kg		94	70 - 130
1,2-Dichloroethane	50.0	45.9		ug/Kg		92	60 - 140
1,1-Dichloroethene	50.0	50.5		ug/Kg		101	70 - 125
1,2-Dichloropropane	50.0	50.9		ug/Kg		102	70 - 130
1,3-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 125
2,2-Dichloropropane	50.0	51.1		ug/Kg		102	60 - 145
1,1-Dichloropropene	50.0	48.0		ug/Kg		96	70 - 130
Ethylbenzene	50.0	47.2		ug/Kg		94	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	68.0		ug/Kg		136	60 - 140
Hexachlorobutadiene	50.0	56.8		ug/Kg		114	60 - 135
Isopropylbenzene	50.0	46.8		ug/Kg		94	75 - 130
Isopropyl Ether (DIPE)	50.0	64.4		ug/Kg		129	60 - 140
Methylene Chloride	50.0	48.8		ug/Kg		98	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	52.6		ug/Kg		105	60 - 140
m,p-Xylene	50.0	49.6		ug/Kg		99	70 - 125
Naphthalene	50.0	53.6		ug/Kg		107	55 - 135
n-Butylbenzene	50.0	48.4		ug/Kg		97	70 - 130
N-Propylbenzene	50.0	47.0		ug/Kg		94	70 - 130
o-Xylene	50.0	46.7		ug/Kg		93	70 - 125
p-Isopropyltoluene	50.0	48.6		ug/Kg		97	75 - 125
sec-Butylbenzene	50.0	47.2		ug/Kg		94	70 - 125
Styrene	50.0	50.0		ug/Kg		100	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	61.8		ug/Kg		124	60 - 145
tert-Butyl alcohol (TBA)	500	545		ug/Kg		109	70 - 135
tert-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 125
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/Kg		108	55 - 140
Tetrachloroethene	50.0	56.7		ug/Kg		113	70 - 125
Toluene	50.0	48.2		ug/Kg		96	70 - 125
trans-1,2-Dichloroethene	50.0	52.8		ug/Kg		106	70 - 125
trans-1,3-Dichloropropene	50.0	52.4		ug/Kg		105	70 - 135
1,2,3-Trichlorobenzene	50.0	56.9		ug/Kg		114	60 - 130
1,2,4-Trichlorobenzene	50.0	57.6		ug/Kg		115	70 - 135
1,1,1-Trichloroethane	50.0	49.2		ug/Kg		98	65 - 135
1,1,2-Trichloroethane	50.0	49.4		ug/Kg		99	65 - 135
Trichloroethene	50.0	52.2		ug/Kg		104	70 - 125
Trichlorofluoromethane	50.0	48.4		ug/Kg		97	60 - 145
1,2,3-Trichloropropane	50.0	50.8		ug/Kg		102	60 - 135
1,2,4-Trimethylbenzene	50.0	48.7		ug/Kg		97	70 - 125
1,3,5-Trimethylbenzene	50.0	48.1		ug/Kg		96	70 - 125
Vinyl chloride	50.0	44.6		ug/Kg		89	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*1:*		*01 - 792*
Dibromofluoromethane (Surr)	*722*		*62 - 792*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319492/5
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d: (Surr)	727		01 - 793

Lab Sample ID: 440-142111-A-4 MS
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	46.0		ug/Kg		92	65 - 130
Bromobenzene	ND		50.0	52.0		ug/Kg		104	65 - 140
Bromochloromethane	ND		50.0	51.7		ug/Kg		103	65 - 145
Bromodichloromethane	ND		50.0	51.9		ug/Kg		104	65 - 145
Bromoform	ND		50.0	56.0		ug/Kg		112	50 - 145
Bromomethane	ND		50.0	45.3		ug/Kg		91	60 - 155
Carbon tetrachloride	ND		50.0	54.0		ug/Kg		108	60 - 145
Chlorobenzene	ND		50.0	46.1		ug/Kg		92	70 - 130
Chloroethane	ND		50.0	46.4		ug/Kg		93	60 - 150
Chloroform	ND		50.0	47.3		ug/Kg		95	65 - 135
Chloromethane	ND		50.0	44.7		ug/Kg		89	40 - 145
2-Chlorotoluene	ND		50.0	46.0		ug/Kg		92	60 - 135
4-Chlorotoluene	ND		50.0	45.9		ug/Kg		92	65 - 135
cis-1,2-Dichloroethene	ND		50.0	49.5		ug/Kg		99	65 - 135
cis-1,3-Dichloropropene	ND		50.0	53.6		ug/Kg		107	70 - 135
Dibromochloromethane	ND		50.0	50.5		ug/Kg		101	60 - 145
1,2-Dibromo-3-Chloropropane	ND		50.0	50.8		ug/Kg		102	40 - 150
1,2-Dibromoethane (EDB)	ND		50.0	55.2		ug/Kg		110	65 - 140
Dibromomethane	ND		50.0	50.4		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		50.0	46.5		ug/Kg		93	70 - 130
1,3-Dichlorobenzene	ND		50.0	46.4		ug/Kg		93	70 - 130
1,4-Dichlorobenzene	ND		50.0	47.3		ug/Kg		95	70 - 130
Dichlorodifluoromethane	ND		50.0	39.5		ug/Kg		79	30 - 160
1,1-Dichloroethane	ND		50.0	46.1		ug/Kg		92	65 - 135
1,2-Dichloroethane	ND		50.0	43.6		ug/Kg		87	60 - 150
1,1-Dichloroethene	ND		50.0	51.1		ug/Kg		102	65 - 135
1,2-Dichloropropane	ND		50.0	51.1		ug/Kg		102	65 - 130
1,3-Dichloropropane	ND		50.0	50.5		ug/Kg		101	65 - 140
2,2-Dichloropropane	ND		50.0	51.8		ug/Kg		104	65 - 150
1,1-Dichloropropene	ND		50.0	48.1		ug/Kg		96	65 - 135
Ethylbenzene	ND		50.0	46.4		ug/Kg		93	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		50.0	67.1		ug/Kg		134	60 - 145
Hexachlorobutadiene	ND		50.0	36.4		ug/Kg		73	50 - 145
Isopropylbenzene	ND		50.0	45.3		ug/Kg		91	70 - 145
Isopropyl Ether (DIPE)	ND		50.0	63.7		ug/Kg		127	60 - 150
Methylene Chloride	ND		50.0	48.4		ug/Kg		97	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		50.0	49.7		ug/Kg		99	55 - 155
m,p-Xylene	ND		50.0	49.6		ug/Kg		99	70 - 130
Naphthalene	ND		50.0	47.3		ug/Kg		95	40 - 150
n-Butylbenzene	ND		50.0	41.9		ug/Kg		84	55 - 145
N-Propylbenzene	ND		50.0	46.0		ug/Kg		92	65 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MS
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	ND		50.0	46.7		ug/Kg		93	65 - 130
p-Isopropyltoluene	ND		50.0	44.8		ug/Kg		90	60 - 140
sec-Butylbenzene	ND		50.0	44.2		ug/Kg		88	60 - 135
Styrene	ND		50.0	48.4		ug/Kg		97	70 - 140
Tert-amyl-methyl ether (TAME)	ND		50.0	61.5		ug/Kg		123	60 - 150
tert-Butyl alcohol (TBA)	ND		500	536		ug/Kg		107	65 - 145
tert-Butylbenzene	ND		50.0	46.3		ug/Kg		93	60 - 140
1,1,1,2-Tetrachloroethane	ND		50.0	53.4		ug/Kg		107	65 - 145
1,1,2,2-Tetrachloroethane	ND		50.0	57.5		ug/Kg		115	40 - 160
Tetrachloroethene	ND		50.0	54.8		ug/Kg		110	65 - 135
Toluene	ND		50.0	48.6		ug/Kg		97	70 - 130
trans-1,2-Dichloroethene	ND		50.0	53.4		ug/Kg		107	70 - 135
trans-1,3-Dichloropropene	ND		50.0	52.1		ug/Kg		104	60 - 145
1,2,3-Trichlorobenzene	ND		50.0	41.5		ug/Kg		83	45 - 145
1,2,4-Trichlorobenzene	ND		50.0	44.8		ug/Kg		90	50 - 140
1,1,1-Trichloroethane	ND		50.0	48.7		ug/Kg		97	65 - 145
1,1,2-Trichloroethane	ND		50.0	50.9		ug/Kg		102	65 - 140
Trichloroethene	ND		50.0	50.6		ug/Kg		101	65 - 140
Trichlorofluoromethane	ND		50.0	48.1		ug/Kg		96	55 - 155
1,2,3-Trichloropropane	ND		50.0	53.8		ug/Kg		108	50 - 150
1,2,4-Trimethylbenzene	ND		50.0	46.9		ug/Kg		94	65 - 140
1,3,5-Trimethylbenzene	ND		50.0	46.5		ug/Kg		93	65 - 135
Vinyl chloride	ND		50.0	44.3		ug/Kg		89	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*722*		*01 - 792*
Dibromofluoromethane (Surr)	*727*		*62 - 792*
Toluene-d: (Surr)	*725*		*01 - 793*

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.8	45.9		ug/Kg		92	65 - 130	0	20
Bromobenzene	ND		49.8	54.5		ug/Kg		110	65 - 140	5	25
Bromochloromethane	ND		49.8	51.6		ug/Kg		104	65 - 145	0	25
Bromodichloromethane	ND		49.8	52.2		ug/Kg		105	65 - 145	0	20
Bromoform	ND		49.8	62.5		ug/Kg		126	50 - 145	11	30
Bromomethane	ND		49.8	45.7		ug/Kg		92	60 - 155	1	25
Carbon tetrachloride	ND		49.8	53.7		ug/Kg		108	60 - 145	1	25
Chlorobenzene	ND		49.8	48.2		ug/Kg		97	70 - 130	5	25
Chloroethane	ND		49.8	46.2		ug/Kg		93	60 - 150	0	25
Chloroform	ND		49.8	47.4		ug/Kg		95	65 - 135	0	20
Chloromethane	ND		49.8	42.9		ug/Kg		86	40 - 145	4	25
2-Chlorotoluene	ND		49.8	49.3		ug/Kg		99	60 - 135	7	25
4-Chlorotoluene	ND		49.8	48.8		ug/Kg		98	65 - 135	6	25
cis-1,2-Dichloroethene	ND		49.8	48.9		ug/Kg		98	65 - 135	1	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		49.8	54.1		ug/Kg		109	70 - 135	1	25
Dibromochloromethane	ND		49.8	52.8		ug/Kg		106	60 - 145	4	25
1,2-Dibromo-3-Chloropropane	ND		49.8	51.6		ug/Kg		104	40 - 150	2	30
1,2-Dibromoethane (EDB)	ND		49.8	56.0		ug/Kg		112	65 - 140	1	25
Dibromomethane	ND		49.8	50.7		ug/Kg		102	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.8	50.8		ug/Kg		102	70 - 130	9	25
1,3-Dichlorobenzene	ND		49.8	50.6		ug/Kg		102	70 - 130	8	25
1,4-Dichlorobenzene	ND		49.8	50.8		ug/Kg		102	70 - 130	7	25
Dichlorodifluoromethane	ND		49.8	39.0		ug/Kg		78	30 - 160	1	35
1,1-Dichloroethane	ND		49.8	45.9		ug/Kg		92	65 - 135	0	25
1,2-Dichloroethane	ND		49.8	43.8		ug/Kg		88	60 - 150	1	25
1,1-Dichloroethene	ND		49.8	50.9		ug/Kg		102	65 - 135	1	25
1,2-Dichloropropane	ND		49.8	50.2		ug/Kg		101	65 - 130	2	20
1,3-Dichloropropane	ND		49.8	52.1		ug/Kg		105	65 - 140	3	25
2,2-Dichloropropane	ND		49.8	53.2		ug/Kg		107	65 - 150	3	25
1,1-Dichloropropene	ND		49.8	48.3		ug/Kg		97	65 - 135	0	20
Ethylbenzene	ND		49.8	48.9		ug/Kg		98	70 - 135	5	25
Ethyl-t-butyl ether (ETBE)	ND		49.8	67.0		ug/Kg		135	60 - 145	0	30
Hexachlorobutadiene	ND		49.8	43.1		ug/Kg		87	50 - 145	17	35
Isopropylbenzene	ND		49.8	48.4		ug/Kg		97	70 - 145	7	25
Isopropyl Ether (DIPE)	ND		49.8	63.5		ug/Kg		128	60 - 150	0	25
Methylene Chloride	ND		49.8	47.4		ug/Kg		95	55 - 145	2	25
Methyl-t-Butyl Ether (MTBE)	ND		49.8	49.9		ug/Kg		100	55 - 155	0	35
m,p-Xylene	ND		49.8	51.0		ug/Kg		102	70 - 130	3	25
Naphthalene	ND		49.8	52.2		ug/Kg		105	40 - 150	10	40
n-Butylbenzene	ND		49.8	46.4		ug/Kg		93	55 - 145	10	30
N-Propylbenzene	ND		49.8	49.2		ug/Kg		99	65 - 140	7	25
o-Xylene	ND		49.8	47.9		ug/Kg		96	65 - 130	3	25
p-Isopropyltoluene	ND		49.8	49.4		ug/Kg		99	60 - 140	10	25
sec-Butylbenzene	ND		49.8	48.3		ug/Kg		97	60 - 135	9	25
Styrene	ND		49.8	51.6		ug/Kg		104	70 - 140	6	25
Tert-amyl-methyl ether (TAME)	ND		49.8	62.5		ug/Kg		125	60 - 150	1	25
tert-Butyl alcohol (TBA)	ND		498	537		ug/Kg		108	65 - 145	0	30
tert-Butylbenzene	ND		49.8	50.2		ug/Kg		101	60 - 140	8	25
1,1,1,2-Tetrachloroethane	ND		49.8	56.3		ug/Kg		113	65 - 145	5	20
1,1,2,2-Tetrachloroethane	ND		49.8	59.7		ug/Kg		120	40 - 160	4	30
Tetrachloroethene	ND		49.8	56.4		ug/Kg		113	65 - 135	3	25
Toluene	ND		49.8	49.7		ug/Kg		100	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.8	51.5		ug/Kg		103	70 - 135	4	25
trans-1,3-Dichloropropene	ND		49.8	53.9		ug/Kg		108	60 - 145	3	25
1,2,3-Trichlorobenzene	ND		49.8	47.8		ug/Kg		96	45 - 145	14	30
1,2,4-Trichlorobenzene	ND		49.8	51.2		ug/Kg		103	50 - 140	13	30
1,1,1-Trichloroethane	ND		49.8	48.3		ug/Kg		97	65 - 145	1	20
1,1,2-Trichloroethane	ND		49.8	53.1		ug/Kg		107	65 - 140	4	30
Trichloroethene	ND		49.8	51.5		ug/Kg		103	65 - 140	2	25
Trichlorofluoromethane	ND		49.8	47.3		ug/Kg		95	55 - 155	2	25
1,2,3-Trichloropropane	ND		49.8	57.0		ug/Kg		114	50 - 150	6	30
1,2,4-Trimethylbenzene	ND		49.8	51.0		ug/Kg		102	65 - 140	8	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142111-A-4 MSD
Matrix: Solid
Analysis Batch: 319492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	ND		49.8	50.2		ug/Kg		101	65 - 135	8	25
Vinyl chloride	ND		49.8	43.7		ug/Kg		88	55 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*722*		*01 - 792*
Dibromofluoromethane (Surr)	*722*		*62 - 792*
Toluene-d: (Surr)	*726*		*01 - 793*

Lab Sample ID: MB 440-319521/4
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Bromobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromochloromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromodichloromethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Bromoform	ND		5.0		ug/Kg			03/23/16 09:56	1
Bromomethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/23/16 09:56	1
Chlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Chloroethane	ND		5.0		ug/Kg			03/23/16 09:56	1
Chloroform	ND		2.0		ug/Kg			03/23/16 09:56	1
Chloromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 09:56	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/23/16 09:56	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
Dibromochloromethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/23/16 09:56	1
Dibromomethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
Ethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/23/16 09:56	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/23/16 09:56	1
Isopropylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/23/16 09:56	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319521/4
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		20		ug/Kg			03/23/16 09:56	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/23/16 09:56	1
m,p-Xylene	ND		4.0		ug/Kg			03/23/16 09:56	1
Naphthalene	ND		5.0		ug/Kg			03/23/16 09:56	1
n-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
N-Propylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
o-Xylene	ND		2.0		ug/Kg			03/23/16 09:56	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/23/16 09:56	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
Styrene	ND		2.0		ug/Kg			03/23/16 09:56	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/23/16 09:56	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/23/16 09:56	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Tetrachloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
Toluene	ND		2.0		ug/Kg			03/23/16 09:56	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/23/16 09:56	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/23/16 09:56	1
Trichloroethene	ND		2.0		ug/Kg			03/23/16 09:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/23/16 09:56	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/23/16 09:56	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/23/16 09:56	1
Vinyl chloride	ND		5.0		ug/Kg			03/23/16 09:56	1
Xylenes, Total	ND		4.0		ug/Kg			03/23/16 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*727*		*01 - 792*		*23/93/76 2156*	*7*
Dibromofluoromethane (Surr)	*722*		*62 - 792*		*23/93/76 2156*	*7*
Toluene-d: (Surr)	*721*		*01 - 793*		*23/93/76 2156*	*7*

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	47.9		ug/Kg		96	65 - 120		
Bromobenzene			50.0	50.5		ug/Kg		101	75 - 120		
Bromochloromethane			50.0	55.9		ug/Kg		112	70 - 135		
Bromodichloromethane			50.0	54.1		ug/Kg		108	70 - 135		
Bromoform			50.0	56.9		ug/Kg		114	55 - 135		
Bromomethane			50.0	52.8		ug/Kg		106	60 - 145		
Carbon tetrachloride			50.0	52.4		ug/Kg		105	65 - 140		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	46.9		ug/Kg		94	75 - 120
Chloroethane	50.0	51.9		ug/Kg		104	60 - 140
Chloroform	50.0	50.4		ug/Kg		101	70 - 130
Chloromethane	50.0	49.9		ug/Kg		100	45 - 145
2-Chlorotoluene	50.0	46.1		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	47.1		ug/Kg		94	75 - 125
cis-1,2-Dichloroethene	50.0	52.6		ug/Kg		105	70 - 125
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	75 - 125
Dibromochloromethane	50.0	50.9		ug/Kg		102	65 - 140
1,2-Dibromo-3-Chloropropane	50.0	59.0		ug/Kg		118	50 - 135
1,2-Dibromoethane (EDB)	50.0	54.0		ug/Kg		108	70 - 130
Dibromomethane	50.0	53.7		ug/Kg		107	70 - 130
1,2-Dichlorobenzene	50.0	49.1		ug/Kg		98	75 - 120
1,3-Dichlorobenzene	50.0	46.4		ug/Kg		93	75 - 125
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	75 - 120
Dichlorodifluoromethane	50.0	48.8		ug/Kg		98	35 - 160
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	70 - 130
1,2-Dichloroethane	50.0	52.4		ug/Kg		105	60 - 140
1,1-Dichloroethene	50.0	50.1		ug/Kg		100	70 - 125
1,2-Dichloropropane	50.0	52.2		ug/Kg		104	70 - 130
1,3-Dichloropropane	50.0	49.9		ug/Kg		100	70 - 125
2,2-Dichloropropane	50.0	50.9		ug/Kg		102	60 - 145
1,1-Dichloropropene	50.0	49.4		ug/Kg		99	70 - 130
Ethylbenzene	50.0	46.4		ug/Kg		93	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	55.6		ug/Kg		111	60 - 140
Hexachlorobutadiene	50.0	49.7		ug/Kg		99	60 - 135
Isopropylbenzene	50.0	47.8		ug/Kg		96	75 - 130
Isopropyl Ether (DIPE)	50.0	54.3		ug/Kg		109	60 - 140
Methylene Chloride	50.0	54.1		ug/Kg		108	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	54.5		ug/Kg		109	60 - 140
m,p-Xylene	50.0	49.0		ug/Kg		98	70 - 125
Naphthalene	50.0	55.6		ug/Kg		111	55 - 135
n-Butylbenzene	50.0	45.9		ug/Kg		92	70 - 130
N-Propylbenzene	50.0	44.1		ug/Kg		88	70 - 130
o-Xylene	50.0	47.6		ug/Kg		95	70 - 125
p-Isopropyltoluene	50.0	45.6		ug/Kg		91	75 - 125
sec-Butylbenzene	50.0	44.3		ug/Kg		89	70 - 125
Styrene	50.0	54.0		ug/Kg		108	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	56.3		ug/Kg		113	60 - 145
tert-Butyl alcohol (TBA)	500	504		ug/Kg		101	70 - 135
tert-Butylbenzene	50.0	46.5		ug/Kg		93	70 - 125
1,1,1,2-Tetrachloroethane	50.0	54.8		ug/Kg		110	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	55 - 140
Tetrachloroethene	50.0	45.5		ug/Kg		91	70 - 125
Toluene	50.0	47.3		ug/Kg		95	70 - 125
trans-1,2-Dichloroethene	50.0	51.9		ug/Kg		104	70 - 125
trans-1,3-Dichloropropene	50.0	55.2		ug/Kg		110	70 - 135
1,2,3-Trichlorobenzene	50.0	51.6		ug/Kg		103	60 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319521/5
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,4-Trichlorobenzene			50.0	51.8		ug/Kg		104	70 - 135		
1,1,1-Trichloroethane			50.0	49.8		ug/Kg		100	65 - 135		
1,1,2-Trichloroethane			50.0	52.4		ug/Kg		105	65 - 135		
Trichloroethene			50.0	49.7		ug/Kg		99	70 - 125		
Trichlorofluoromethane			50.0	47.7		ug/Kg		95	60 - 145		
1,2,3-Trichloropropane			50.0	53.1		ug/Kg		106	60 - 135		
1,2,4-Trimethylbenzene			50.0	47.8		ug/Kg		96	70 - 125		
1,3,5-Trimethylbenzene			50.0	47.3		ug/Kg		95	70 - 125		
Vinyl chloride			50.0	50.6		ug/Kg		101	55 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*729*		*01 - 792*
Dibromofluoromethane (Surr)	*720*		*62 - 792*
Toluene-d: (Surr)	*723*		*01 - 793*

Lab Sample ID: LCSD 440-319521/6
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	48.5		ug/Kg		97	65 - 120	1	20
Bromobenzene			50.0	51.1		ug/Kg		102	75 - 120	1	20
Bromochloromethane			50.0	55.8		ug/Kg		112	70 - 135	0	20
Bromodichloromethane			50.0	54.1		ug/Kg		108	70 - 135	0	20
Bromoform			50.0	58.3		ug/Kg		117	55 - 135	2	25
Bromomethane			50.0	53.9		ug/Kg		108	60 - 145	2	20
Carbon tetrachloride			50.0	53.9		ug/Kg		108	65 - 140	3	20
Chlorobenzene			50.0	47.9		ug/Kg		96	75 - 120	2	20
Chloroethane			50.0	55.4		ug/Kg		111	60 - 140	7	25
Chloroform			50.0	51.4		ug/Kg		103	70 - 130	2	20
Chloromethane			50.0	52.9		ug/Kg		106	45 - 145	6	25
2-Chlorotoluene			50.0	47.5		ug/Kg		95	70 - 125	3	20
4-Chlorotoluene			50.0	47.2		ug/Kg		94	75 - 125	0	20
cis-1,2-Dichloroethene			50.0	54.0		ug/Kg		108	70 - 125	3	20
cis-1,3-Dichloropropene			50.0	56.5		ug/Kg		113	75 - 125	3	20
Dibromochloromethane			50.0	52.3		ug/Kg		105	65 - 140	3	20
1,2-Dibromo-3-Chloropropane			50.0	57.4		ug/Kg		115	50 - 135	3	30
1,2-Dibromoethane (EDB)			50.0	55.1		ug/Kg		110	70 - 130	2	20
Dibromomethane			50.0	53.3		ug/Kg		107	70 - 130	1	20
1,2-Dichlorobenzene			50.0	50.3		ug/Kg		101	75 - 120	2	20
1,3-Dichlorobenzene			50.0	46.8		ug/Kg		94	75 - 125	1	20
1,4-Dichlorobenzene			50.0	47.8		ug/Kg		96	75 - 120	1	20
Dichlorodifluoromethane			50.0	51.3		ug/Kg		103	35 - 160	5	30
1,1-Dichloroethane			50.0	48.6		ug/Kg		97	70 - 130	2	20
1,2-Dichloroethane			50.0	50.4		ug/Kg		101	60 - 140	4	20
1,1-Dichloroethene			50.0	51.0		ug/Kg		102	70 - 125	2	20
1,2-Dichloropropane			50.0	53.2		ug/Kg		106	70 - 130	2	20
1,3-Dichloropropane			50.0	50.7		ug/Kg		101	70 - 125	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-319521/6
Matrix: Solid
Analysis Batch: 319521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane			50.0	50.3		ug/Kg		101	60 - 145	1	20
1,1-Dichloropropene			50.0	49.8		ug/Kg		100	70 - 130	1	20
Ethylbenzene			50.0	46.7		ug/Kg		93	70 - 125	1	20
Ethyl-t-butyl ether (ETBE)			50.0	56.1		ug/Kg		112	60 - 140	1	20
Hexachlorobutadiene			50.0	44.6		ug/Kg		89	60 - 135	11	20
Isopropylbenzene			50.0	48.5		ug/Kg		97	75 - 130	1	20
Isopropyl Ether (DIPE)			50.0	55.2		ug/Kg		110	60 - 140	2	20
Methylene Chloride			50.0	55.3		ug/Kg		111	55 - 135	2	20
Methyl-t-Butyl Ether (MTBE)			50.0	55.3		ug/Kg		111	60 - 140	1	25
m,p-Xylene			50.0	49.8		ug/Kg		100	70 - 125	2	20
Naphthalene			50.0	56.8		ug/Kg		114	55 - 135	2	25
n-Butylbenzene			50.0	43.6		ug/Kg		87	70 - 130	5	20
N-Propylbenzene			50.0	45.0		ug/Kg		90	70 - 130	2	20
o-Xylene			50.0	48.3		ug/Kg		97	70 - 125	1	20
p-Isopropyltoluene			50.0	45.1		ug/Kg		90	75 - 125	1	20
sec-Butylbenzene			50.0	43.8		ug/Kg		88	70 - 125	1	20
Styrene			50.0	54.3		ug/Kg		109	75 - 130	1	20
Tert-amyl-methyl ether (TAME)			50.0	57.2		ug/Kg		114	60 - 145	2	20
tert-Butyl alcohol (TBA)			500	509		ug/Kg		102	70 - 135	1	20
tert-Butylbenzene			50.0	47.3		ug/Kg		95	70 - 125	2	20
1,1,1,2-Tetrachloroethane			50.0	55.7		ug/Kg		111	70 - 130	2	20
1,1,2,2-Tetrachloroethane			50.0	54.6		ug/Kg		109	55 - 140	4	30
Tetrachloroethene			50.0	46.3		ug/Kg		93	70 - 125	2	20
Toluene			50.0	48.1		ug/Kg		96	70 - 125	2	20
trans-1,2-Dichloroethene			50.0	53.1		ug/Kg		106	70 - 125	2	20
trans-1,3-Dichloropropene			50.0	55.9		ug/Kg		112	70 - 135	1	20
1,2,3-Trichlorobenzene			50.0	52.0		ug/Kg		104	60 - 130	1	20
1,2,4-Trichlorobenzene			50.0	50.9		ug/Kg		102	70 - 135	2	20
1,1,1-Trichloroethane			50.0	49.8		ug/Kg		100	65 - 135	0	20
1,1,2-Trichloroethane			50.0	54.1		ug/Kg		108	65 - 135	3	20
Trichloroethene			50.0	49.9		ug/Kg		100	70 - 125	0	20
Trichlorofluoromethane			50.0	49.7		ug/Kg		99	60 - 145	4	25
1,2,3-Trichloropropane			50.0	54.5		ug/Kg		109	60 - 135	3	25
1,2,4-Trimethylbenzene			50.0	48.4		ug/Kg		97	70 - 125	1	20
1,3,5-Trimethylbenzene			50.0	48.2		ug/Kg		96	70 - 125	2	20
Vinyl chloride			50.0	52.5		ug/Kg		105	55 - 135	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*729*		*01 - 792*
Dibromofluoromethane (Surr)	*726*		*62 - 792*
Toluene-d: (Surr)	*725*		*01 - 793*

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/Kg			03/24/16 08:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromochloromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromodichloromethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Bromoform	ND		5.0		ug/Kg			03/24/16 08:28	1
Bromomethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Carbon tetrachloride	ND		5.0		ug/Kg			03/24/16 08:28	1
Chlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Chloroethane	ND		5.0		ug/Kg			03/24/16 08:28	1
Chloroform	ND		2.0		ug/Kg			03/24/16 08:28	1
Chloromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
2-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 08:28	1
4-Chlorotoluene	ND		5.0		ug/Kg			03/24/16 08:28	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
Dibromochloromethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			03/24/16 08:28	1
Dibromomethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2-Dichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloroethene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
2,2-Dichloropropane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
Ethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			03/24/16 08:28	1
Hexachlorobutadiene	ND		5.0		ug/Kg			03/24/16 08:28	1
Isopropylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			03/24/16 08:28	1
Methylene Chloride	ND		20		ug/Kg			03/24/16 08:28	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			03/24/16 08:28	1
m,p-Xylene	ND		4.0		ug/Kg			03/24/16 08:28	1
Naphthalene	ND		5.0		ug/Kg			03/24/16 08:28	1
n-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
N-Propylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
o-Xylene	ND		2.0		ug/Kg			03/24/16 08:28	1
p-Isopropyltoluene	ND		2.0		ug/Kg			03/24/16 08:28	1
sec-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
Styrene	ND		2.0		ug/Kg			03/24/16 08:28	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			03/24/16 08:28	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			03/24/16 08:28	1
tert-Butylbenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			03/24/16 08:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-319787/4
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Tetrachloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
Toluene	ND		2.0		ug/Kg			03/24/16 08:28	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			03/24/16 08:28	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			03/24/16 08:28	1
Trichloroethene	ND		2.0		ug/Kg			03/24/16 08:28	1
Trichlorofluoromethane	ND		5.0		ug/Kg			03/24/16 08:28	1
1,2,3-Trichloropropane	ND		10		ug/Kg			03/24/16 08:28	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			03/24/16 08:28	1
Vinyl chloride	ND		5.0		ug/Kg			03/24/16 08:28	1
Xylenes, Total	ND		4.0		ug/Kg			03/24/16 08:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*729*		*01 - 792*		*23/94/76 2: 89:*	*7*
Dibromofluoromethane (Surr)	*10*		*62 - 792*		*23/94/76 2: 89:*	*7*
Toluene-d: (Surr)	*774*		*01 - 793*		*23/94/76 2: 89:*	*7*

Lab Sample ID: LCS 440-319787/5
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	52.2		ug/Kg		104	65 - 120
Bromobenzene	50.0	53.0		ug/Kg		106	75 - 120
Bromochloromethane	50.0	54.4		ug/Kg		109	70 - 135
Bromodichloromethane	50.0	50.7		ug/Kg		101	70 - 135
Bromoform	50.0	40.2		ug/Kg		80	55 - 135
Bromomethane	50.0	53.0		ug/Kg		106	60 - 145
Carbon tetrachloride	50.0	50.9		ug/Kg		102	65 - 140
Chlorobenzene	50.0	52.6		ug/Kg		105	75 - 120
Chloroethane	50.0	55.1		ug/Kg		110	60 - 140
Chloroform	50.0	51.1		ug/Kg		102	70 - 130
Chloromethane	50.0	52.3		ug/Kg		105	45 - 145
2-Chlorotoluene	50.0	54.0		ug/Kg		108	70 - 125
4-Chlorotoluene	50.0	53.4		ug/Kg		107	75 - 125
cis-1,2-Dichloroethene	50.0	54.7		ug/Kg		109	70 - 125
cis-1,3-Dichloropropene	50.0	59.1		ug/Kg		118	75 - 125
Dibromochloromethane	50.0	47.5		ug/Kg		95	65 - 140
1,2-Dibromo-3-Chloropropane	50.0	56.7		ug/Kg		113	50 - 135
1,2-Dibromoethane (EDB)	50.0	57.6		ug/Kg		115	70 - 130
Dibromomethane	50.0	51.8		ug/Kg		104	70 - 130
1,2-Dichlorobenzene	50.0	57.4		ug/Kg		115	75 - 120
1,3-Dichlorobenzene	50.0	54.4		ug/Kg		109	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-319787/5
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	53.3		ug/Kg		107	75 - 120
Dichlorodifluoromethane	50.0	49.0		ug/Kg		98	35 - 160
1,1-Dichloroethane	50.0	52.1		ug/Kg		104	70 - 130
1,2-Dichloroethane	50.0	50.6		ug/Kg		101	60 - 140
1,1-Dichloroethene	50.0	57.6		ug/Kg		115	70 - 125
1,2-Dichloropropane	50.0	57.4		ug/Kg		115	70 - 130
1,3-Dichloropropane	50.0	55.9		ug/Kg		112	70 - 125
2,2-Dichloropropane	50.0	49.9		ug/Kg		100	60 - 145
1,1-Dichloropropene	50.0	52.4		ug/Kg		105	70 - 130
Ethylbenzene	50.0	53.0		ug/Kg		106	70 - 125
Ethyl-t-butyl ether (ETBE)	50.0	59.2		ug/Kg		118	60 - 140
Hexachlorobutadiene	50.0	56.7		ug/Kg		113	60 - 135
Isopropylbenzene	50.0	53.8		ug/Kg		108	75 - 130
Isopropyl Ether (DIPE)	50.0	60.8		ug/Kg		122	60 - 140
Methylene Chloride	50.0	51.9		ug/Kg		104	55 - 135
Methyl-t-Butyl Ether (MTBE)	50.0	55.8		ug/Kg		112	60 - 140
m,p-Xylene	50.0	53.7		ug/Kg		107	70 - 125
Naphthalene	50.0	61.5		ug/Kg		123	55 - 135
n-Butylbenzene	50.0	52.6		ug/Kg		105	70 - 130
N-Propylbenzene	50.0	54.0		ug/Kg		108	70 - 130
o-Xylene	50.0	51.9		ug/Kg		104	70 - 125
p-Isopropyltoluene	50.0	54.2		ug/Kg		108	75 - 125
sec-Butylbenzene	50.0	52.7		ug/Kg		105	70 - 125
Styrene	50.0	57.2		ug/Kg		114	75 - 130
Tert-amyl-methyl ether (TAME)	50.0	59.5		ug/Kg		119	60 - 145
tert-Butyl alcohol (TBA)	500	521		ug/Kg		104	70 - 135
tert-Butylbenzene	50.0	53.9		ug/Kg		108	70 - 125
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	57.1		ug/Kg		114	55 - 140
Tetrachloroethene	50.0	53.3		ug/Kg		107	70 - 125
Toluene	50.0	55.0		ug/Kg		110	70 - 125
trans-1,2-Dichloroethene	50.0	55.4		ug/Kg		111	70 - 125
trans-1,3-Dichloropropene	50.0	55.8		ug/Kg		112	70 - 135
1,2,3-Trichlorobenzene	50.0	58.6		ug/Kg		117	60 - 130
1,2,4-Trichlorobenzene	50.0	58.9		ug/Kg		118	70 - 135
1,1,1-Trichloroethane	50.0	48.7		ug/Kg		97	65 - 135
1,1,2-Trichloroethane	50.0	56.0		ug/Kg		112	65 - 135
Trichloroethene	50.0	53.3		ug/Kg		107	70 - 125
Trichlorofluoromethane	50.0	52.0		ug/Kg		104	60 - 145
1,2,3-Trichloropropane	50.0	54.6		ug/Kg		109	60 - 135
1,2,4-Trimethylbenzene	50.0	53.7		ug/Kg		107	70 - 125
1,3,5-Trimethylbenzene	50.0	52.7		ug/Kg		105	70 - 125
Vinyl chloride	50.0	45.5		ug/Kg		91	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*723*		*01 - 792*
Dibromofluoromethane (Surr)	*1:*		*62 - 792*
Toluene-d: (Surr)	*772*		*01 - 793*

Lab Sample ID: 440-142056-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		49.7	51.8		ug/Kg		104	65 - 130
Bromobenzene	ND		49.7	53.1		ug/Kg		107	65 - 140
Bromochloromethane	ND		49.7	53.3		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.7	50.2		ug/Kg		101	65 - 145
Bromoform	ND		49.7	40.8		ug/Kg		82	50 - 145
Bromomethane	ND		49.7	51.6		ug/Kg		104	60 - 155
Carbon tetrachloride	ND		49.7	51.3		ug/Kg		103	60 - 145
Chlorobenzene	ND		49.7	50.3		ug/Kg		101	70 - 130
Chloroethane	ND		49.7	56.1		ug/Kg		113	60 - 150
Chloroform	ND		49.7	51.1		ug/Kg		103	65 - 135
Chloromethane	ND		49.7	50.5		ug/Kg		102	40 - 145
2-Chlorotoluene	ND		49.7	54.1		ug/Kg		109	60 - 135
4-Chlorotoluene	ND		49.7	54.5		ug/Kg		110	65 - 135
cis-1,2-Dichloroethene	ND		49.7	56.3		ug/Kg		113	65 - 135
cis-1,3-Dichloropropene	ND		49.7	57.3		ug/Kg		115	70 - 135
Dibromochloromethane	ND		49.7	45.7		ug/Kg		92	60 - 145
1,2-Dibromo-3-Chloropropane	ND		49.7	53.6		ug/Kg		108	40 - 150
1,2-Dibromoethane (EDB)	ND		49.7	53.1		ug/Kg		107	65 - 140
Dibromomethane	ND		49.7	50.2		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		49.7	56.6		ug/Kg		114	70 - 130
1,3-Dichlorobenzene	ND		49.7	55.0		ug/Kg		111	70 - 130
1,4-Dichlorobenzene	ND		49.7	53.2		ug/Kg		107	70 - 130
Dichlorodifluoromethane	ND		49.7	49.2		ug/Kg		99	30 - 160
1,1-Dichloroethane	ND		49.7	52.1		ug/Kg		105	65 - 135
1,2-Dichloroethane	ND		49.7	49.9		ug/Kg		100	60 - 150
1,1-Dichloroethene	ND		49.7	56.9		ug/Kg		115	65 - 135
1,2-Dichloropropane	ND		49.7	56.1		ug/Kg		113	65 - 130
1,3-Dichloropropane	ND		49.7	53.2		ug/Kg		107	65 - 140
2,2-Dichloropropane	ND		49.7	48.5		ug/Kg		97	65 - 150
1,1-Dichloropropene	ND		49.7	53.2		ug/Kg		107	65 - 135
Ethylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		49.7	57.2		ug/Kg		115	60 - 145
Hexachlorobutadiene	ND		49.7	55.2		ug/Kg		111	50 - 145
Isopropylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 145
Isopropyl Ether (DIPE)	ND		49.7	58.9		ug/Kg		118	60 - 150
Methylene Chloride	ND		49.7	51.0		ug/Kg		103	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.7	53.9		ug/Kg		108	55 - 155
m,p-Xylene	ND		49.7	52.2		ug/Kg		105	70 - 130
Naphthalene	ND		49.7	57.2		ug/Kg		115	40 - 150
n-Butylbenzene	ND		49.7	53.5		ug/Kg		108	55 - 145
N-Propylbenzene	ND		49.7	55.3		ug/Kg		111	65 - 140
o-Xylene	ND		49.7	50.1		ug/Kg		101	65 - 130
p-Isopropyltoluene	ND		49.7	54.8		ug/Kg		110	60 - 140
sec-Butylbenzene	ND		49.7	53.1		ug/Kg		107	60 - 135
Styrene	ND		49.7	53.7		ug/Kg		108	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.7	56.8		ug/Kg		114	60 - 150
tert-Butyl alcohol (TBA)	ND		497	523		ug/Kg		105	65 - 145
tert-Butylbenzene	ND		49.7	54.8		ug/Kg		110	60 - 140
1,1,1,2-Tetrachloroethane	ND		49.7	49.8		ug/Kg		100	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.7	54.5		ug/Kg		110	40 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	ND		49.7	52.1		ug/Kg		105	65 - 135
Toluene	ND		49.7	53.2		ug/Kg		107	70 - 130
trans-1,2-Dichloroethene	ND		49.7	54.5		ug/Kg		110	70 - 135
trans-1,3-Dichloropropene	ND		49.7	53.2		ug/Kg		107	60 - 145
1,2,3-Trichlorobenzene	ND		49.7	55.0		ug/Kg		111	45 - 145
1,2,4-Trichlorobenzene	ND		49.7	57.0		ug/Kg		115	50 - 140
1,1,1-Trichloroethane	ND		49.7	49.2		ug/Kg		99	65 - 145
1,1,2-Trichloroethane	ND		49.7	53.3		ug/Kg		107	65 - 140
Trichloroethene	ND		49.7	53.8		ug/Kg		108	65 - 140
Trichlorofluoromethane	ND		49.7	51.9		ug/Kg		104	55 - 155
1,2,3-Trichloropropane	ND		49.7	54.1		ug/Kg		109	50 - 150
1,2,4-Trimethylbenzene	ND		49.7	54.5		ug/Kg		110	65 - 140
1,3,5-Trimethylbenzene	ND		49.7	53.8		ug/Kg		108	65 - 135
Vinyl chloride	ND		49.7	44.7		ug/Kg		90	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*724*		*01 - 792*
Dibromofluoromethane (Surr)	*16*		*62 - 792*
Toluene-d: (Surr)	*72:*		*01 - 793*

Lab Sample ID: 440-142056-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.6	52.6		ug/Kg		106	65 - 130	1	20
Bromobenzene	ND		49.6	52.8		ug/Kg		106	65 - 140	1	25
Bromochloromethane	ND		49.6	54.0		ug/Kg		109	65 - 145	1	25
Bromodichloromethane	ND		49.6	50.5		ug/Kg		102	65 - 145	1	20
Bromoform	ND		49.6	38.7		ug/Kg		78	50 - 145	5	30
Bromomethane	ND		49.6	52.2		ug/Kg		105	60 - 155	1	25
Carbon tetrachloride	ND		49.6	51.9		ug/Kg		105	60 - 145	1	25
Chlorobenzene	ND		49.6	50.4		ug/Kg		102	70 - 130	0	25
Chloroethane	ND		49.6	56.7		ug/Kg		114	60 - 150	1	25
Chloroform	ND		49.6	51.0		ug/Kg		103	65 - 135	0	20
Chloromethane	ND		49.6	49.7		ug/Kg		100	40 - 145	2	25
2-Chlorotoluene	ND		49.6	54.7		ug/Kg		110	60 - 135	1	25
4-Chlorotoluene	ND		49.6	55.5		ug/Kg		112	65 - 135	2	25
cis-1,2-Dichloroethene	ND		49.6	53.6		ug/Kg		108	65 - 135	5	25
cis-1,3-Dichloropropene	ND		49.6	57.1		ug/Kg		115	70 - 135	0	25
Dibromochloromethane	ND		49.6	46.3		ug/Kg		93	60 - 145	1	25
1,2-Dibromo-3-Chloropropane	ND		49.6	57.5		ug/Kg		116	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		49.6	54.6		ug/Kg		110	65 - 140	3	25
Dibromomethane	ND		49.6	50.9		ug/Kg		103	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.6	57.2		ug/Kg		115	70 - 130	1	25
1,3-Dichlorobenzene	ND		49.6	54.7		ug/Kg		110	70 - 130	1	25
1,4-Dichlorobenzene	ND		49.6	53.2		ug/Kg		107	70 - 130	0	25
Dichlorodifluoromethane	ND		49.6	48.0		ug/Kg		97	30 - 160	3	35

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: SB-2-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		49.6	53.1		ug/Kg		107	65 - 135	2	25
1,2-Dichloroethane	ND		49.6	50.7		ug/Kg		102	60 - 150	2	25
1,1-Dichloroethene	ND		49.6	54.8		ug/Kg		111	65 - 135	4	25
1,2-Dichloropropane	ND		49.6	56.9		ug/Kg		115	65 - 130	1	20
1,3-Dichloropropane	ND		49.6	52.8		ug/Kg		107	65 - 140	1	25
2,2-Dichloropropane	ND		49.6	51.2		ug/Kg		103	65 - 150	6	25
1,1-Dichloropropene	ND		49.6	53.2		ug/Kg		107	65 - 135	0	20
Ethylbenzene	ND		49.6	52.2		ug/Kg		105	70 - 135	1	25
Ethyl-t-butyl ether (ETBE)	ND		49.6	58.6		ug/Kg		118	60 - 145	2	30
Hexachlorobutadiene	ND		49.6	57.1		ug/Kg		115	50 - 145	3	35
Isopropylbenzene	ND		49.6	51.4		ug/Kg		104	70 - 145	2	25
Isopropyl Ether (DIPE)	ND		49.6	60.6		ug/Kg		122	60 - 150	3	25
Methylene Chloride	ND		49.6	51.1		ug/Kg		103	55 - 145	0	25
Methyl-t-Butyl Ether (MTBE)	ND		49.6	55.8		ug/Kg		112	55 - 155	3	35
m,p-Xylene	ND		49.6	51.5		ug/Kg		104	70 - 130	1	25
Naphthalene	ND		49.6	62.1		ug/Kg		125	40 - 150	8	40
n-Butylbenzene	ND		49.6	53.9		ug/Kg		109	55 - 145	1	30
N-Propylbenzene	ND		49.6	55.0		ug/Kg		111	65 - 140	1	25
o-Xylene	ND		49.6	50.0		ug/Kg		101	65 - 130	0	25
p-Isopropyltoluene	ND		49.6	53.6		ug/Kg		108	60 - 140	2	25
sec-Butylbenzene	ND		49.6	53.7		ug/Kg		108	60 - 135	1	25
Styrene	ND		49.6	54.4		ug/Kg		110	70 - 140	1	25
Tert-amyl-methyl ether (TAME)	ND		49.6	59.6		ug/Kg		120	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		496	501		ug/Kg		101	65 - 145	4	30
tert-Butylbenzene	ND		49.6	56.0		ug/Kg		113	60 - 140	2	25
1,1,1,2-Tetrachloroethane	ND		49.6	50.6		ug/Kg		102	65 - 145	2	20
1,1,2,2-Tetrachloroethane	ND		49.6	57.1		ug/Kg		115	40 - 160	5	30
Tetrachloroethene	ND		49.6	52.2		ug/Kg		105	65 - 135	0	25
Toluene	ND		49.6	52.1		ug/Kg		105	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.6	55.5		ug/Kg		112	70 - 135	2	25
trans-1,3-Dichloropropene	ND		49.6	53.2		ug/Kg		107	60 - 145	0	25
1,2,3-Trichlorobenzene	ND		49.6	59.1		ug/Kg		119	45 - 145	7	30
1,2,4-Trichlorobenzene	ND		49.6	58.7		ug/Kg		118	50 - 140	3	30
1,1,1-Trichloroethane	ND		49.6	52.0		ug/Kg		105	65 - 145	5	20
1,1,2-Trichloroethane	ND		49.6	54.5		ug/Kg		110	65 - 140	2	30
Trichloroethene	ND		49.6	53.7		ug/Kg		108	65 - 140	0	25
Trichlorofluoromethane	ND		49.6	52.0		ug/Kg		105	55 - 155	0	25
1,2,3-Trichloropropane	ND		49.6	54.1		ug/Kg		109	50 - 150	0	30
1,2,4-Trimethylbenzene	ND		49.6	54.9		ug/Kg		111	65 - 140	1	25
1,3,5-Trimethylbenzene	ND		49.6	55.1		ug/Kg		111	65 - 135	2	25
Vinyl chloride	ND		49.6	43.3		ug/Kg		87	55 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*724*		*01 - 792*
Dibromofluoromethane (Surr)	*16*		*62 - 792*
Toluene-d: (Surr)	*726*		*01 - 793*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		49.7	51.8		ug/Kg		104	65 - 130
Bromobenzene	ND		49.7	53.1		ug/Kg		107	65 - 140
Bromochloromethane	ND		49.7	53.3		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.7	50.2		ug/Kg		101	65 - 145
Bromoform	ND		49.7	40.8		ug/Kg		82	50 - 145
Bromomethane	ND		49.7	51.6		ug/Kg		104	60 - 155
Carbon tetrachloride	ND		49.7	51.3		ug/Kg		103	60 - 145
Chlorobenzene	ND		49.7	50.3		ug/Kg		101	70 - 130
Chloroethane	ND		49.7	56.1		ug/Kg		113	60 - 150
Chloroform	ND		49.7	51.1		ug/Kg		103	65 - 135
Chloromethane	ND		49.7	50.5		ug/Kg		102	40 - 145
2-Chlorotoluene	ND		49.7	54.1		ug/Kg		109	60 - 135
4-Chlorotoluene	ND		49.7	54.5		ug/Kg		110	65 - 135
cis-1,2-Dichloroethene	ND		49.7	56.3		ug/Kg		113	65 - 135
cis-1,3-Dichloropropene	ND		49.7	57.3		ug/Kg		115	70 - 135
Dibromochloromethane	ND		49.7	45.7		ug/Kg		92	60 - 145
1,2-Dibromo-3-Chloropropane	ND		49.7	53.6		ug/Kg		108	40 - 150
1,2-Dibromoethane (EDB)	ND		49.7	53.1		ug/Kg		107	65 - 140
Dibromomethane	ND		49.7	50.2		ug/Kg		101	65 - 140
1,2-Dichlorobenzene	ND		49.7	56.6		ug/Kg		114	70 - 130
1,3-Dichlorobenzene	ND		49.7	55.0		ug/Kg		111	70 - 130
1,4-Dichlorobenzene	ND		49.7	53.2		ug/Kg		107	70 - 130
Dichlorodifluoromethane	ND		49.7	49.2		ug/Kg		99	30 - 160
1,1-Dichloroethane	ND		49.7	52.1		ug/Kg		105	65 - 135
1,2-Dichloroethane	ND		49.7	49.9		ug/Kg		100	60 - 150
1,1-Dichloroethene	ND		49.7	56.9		ug/Kg		115	65 - 135
1,2-Dichloropropane	ND		49.7	56.1		ug/Kg		113	65 - 130
1,3-Dichloropropane	ND		49.7	53.2		ug/Kg		107	65 - 140
2,2-Dichloropropane	ND		49.7	48.5		ug/Kg		97	65 - 150
1,1-Dichloropropene	ND		49.7	53.2		ug/Kg		107	65 - 135
Ethylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		49.7	57.2		ug/Kg		115	60 - 145
Hexachlorobutadiene	ND		49.7	55.2		ug/Kg		111	50 - 145
Isopropylbenzene	ND		49.7	52.5		ug/Kg		106	70 - 145
Isopropyl Ether (DIPE)	ND		49.7	58.9		ug/Kg		118	60 - 150
Methylene Chloride	ND		49.7	51.0		ug/Kg		103	55 - 145
Methyl-t-Butyl Ether (MTBE)	ND		49.7	53.9		ug/Kg		108	55 - 155
m,p-Xylene	ND		49.7	52.2		ug/Kg		105	70 - 130
Naphthalene	ND		49.7	57.2		ug/Kg		115	40 - 150
n-Butylbenzene	ND		49.7	53.5		ug/Kg		108	55 - 145
N-Propylbenzene	ND		49.7	55.3		ug/Kg		111	65 - 140
o-Xylene	ND		49.7	50.1		ug/Kg		101	65 - 130
p-Isopropyltoluene	ND		49.7	54.8		ug/Kg		110	60 - 140
sec-Butylbenzene	ND		49.7	53.1		ug/Kg		107	60 - 135
Styrene	ND		49.7	53.7		ug/Kg		108	70 - 140
Tert-amyl-methyl ether (TAME)	ND		49.7	56.8		ug/Kg		114	60 - 150
tert-Butyl alcohol (TBA)	ND		497	523		ug/Kg		105	65 - 145
tert-Butylbenzene	ND		49.7	54.8		ug/Kg		110	60 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MS
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.7	49.8		ug/Kg		100	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.7	54.5		ug/Kg		110	40 - 160
Tetrachloroethene	ND		49.7	52.1		ug/Kg		105	65 - 135
Toluene	ND		49.7	53.2		ug/Kg		107	70 - 130
trans-1,2-Dichloroethene	ND		49.7	54.5		ug/Kg		110	70 - 135
trans-1,3-Dichloropropene	ND		49.7	53.2		ug/Kg		107	60 - 145
1,2,3-Trichlorobenzene	ND		49.7	55.0		ug/Kg		111	45 - 145
1,2,4-Trichlorobenzene	ND		49.7	57.0		ug/Kg		115	50 - 140
1,1,1-Trichloroethane	ND		49.7	49.2		ug/Kg		99	65 - 145
1,1,2-Trichloroethane	ND		49.7	53.3		ug/Kg		107	65 - 140
Trichloroethene	ND		49.7	53.8		ug/Kg		108	65 - 140
Trichlorofluoromethane	ND		49.7	51.9		ug/Kg		104	55 - 155
1,2,3-Trichloropropane	ND		49.7	54.1		ug/Kg		109	50 - 150
1,2,4-Trimethylbenzene	ND		49.7	54.5		ug/Kg		110	65 - 140
1,3,5-Trimethylbenzene	ND		49.7	53.8		ug/Kg		108	65 - 135
Vinyl chloride	ND		49.7	44.7		ug/Kg		90	55 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*724*		*01 - 792*
Dibromofluoromethane (Surr)	*16*		*62 - 792*
Toluene-d: (Surr)	*72:*		*01 - 793*

Lab Sample ID: 440-142056-H-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		49.6	52.6		ug/Kg		106	65 - 130	1	20
Bromobenzene	ND		49.6	52.8		ug/Kg		106	65 - 140	1	25
Bromochloromethane	ND		49.6	54.0		ug/Kg		109	65 - 145	1	25
Bromodichloromethane	ND		49.6	50.5		ug/Kg		102	65 - 145	1	20
Bromoform	ND		49.6	38.7		ug/Kg		78	50 - 145	5	30
Bromomethane	ND		49.6	52.2		ug/Kg		105	60 - 155	1	25
Carbon tetrachloride	ND		49.6	51.9		ug/Kg		105	60 - 145	1	25
Chlorobenzene	ND		49.6	50.4		ug/Kg		102	70 - 130	0	25
Chloroethane	ND		49.6	56.7		ug/Kg		114	60 - 150	1	25
Chloroform	ND		49.6	51.0		ug/Kg		103	65 - 135	0	20
Chloromethane	ND		49.6	49.7		ug/Kg		100	40 - 145	2	25
2-Chlorotoluene	ND		49.6	54.7		ug/Kg		110	60 - 135	1	25
4-Chlorotoluene	ND		49.6	55.5		ug/Kg		112	65 - 135	2	25
cis-1,2-Dichloroethene	ND		49.6	53.6		ug/Kg		108	65 - 135	5	25
cis-1,3-Dichloropropene	ND		49.6	57.1		ug/Kg		115	70 - 135	0	25
Dibromochloromethane	ND		49.6	46.3		ug/Kg		93	60 - 145	1	25
1,2-Dibromo-3-Chloropropane	ND		49.6	57.5		ug/Kg		116	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		49.6	54.6		ug/Kg		110	65 - 140	3	25
Dibromomethane	ND		49.6	50.9		ug/Kg		103	65 - 140	1	25
1,2-Dichlorobenzene	ND		49.6	57.2		ug/Kg		115	70 - 130	1	25
1,3-Dichlorobenzene	ND		49.6	54.7		ug/Kg		110	70 - 130	1	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-142056-H-5 MSD
Matrix: Solid
Analysis Batch: 319787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		49.6	53.2		ug/Kg		107	70 - 130	0	25
Dichlorodifluoromethane	ND		49.6	48.0		ug/Kg		97	30 - 160	3	35
1,1-Dichloroethane	ND		49.6	53.1		ug/Kg		107	65 - 135	2	25
1,2-Dichloroethane	ND		49.6	50.7		ug/Kg		102	60 - 150	2	25
1,1-Dichloroethene	ND		49.6	54.8		ug/Kg		111	65 - 135	4	25
1,2-Dichloropropane	ND		49.6	56.9		ug/Kg		115	65 - 130	1	20
1,3-Dichloropropane	ND		49.6	52.8		ug/Kg		107	65 - 140	1	25
2,2-Dichloropropane	ND		49.6	51.2		ug/Kg		103	65 - 150	6	25
1,1-Dichloropropene	ND		49.6	53.2		ug/Kg		107	65 - 135	0	20
Ethylbenzene	ND		49.6	52.2		ug/Kg		105	70 - 135	1	25
Ethyl-t-butyl ether (ETBE)	ND		49.6	58.6		ug/Kg		118	60 - 145	2	30
Hexachlorobutadiene	ND		49.6	57.1		ug/Kg		115	50 - 145	3	35
Isopropylbenzene	ND		49.6	51.4		ug/Kg		104	70 - 145	2	25
Isopropyl Ether (DIPE)	ND		49.6	60.6		ug/Kg		122	60 - 150	3	25
Methylene Chloride	ND		49.6	51.1		ug/Kg		103	55 - 145	0	25
Methyl-t-Butyl Ether (MTBE)	ND		49.6	55.8		ug/Kg		112	55 - 155	3	35
m,p-Xylene	ND		49.6	51.5		ug/Kg		104	70 - 130	1	25
Naphthalene	ND		49.6	62.1		ug/Kg		125	40 - 150	8	40
n-Butylbenzene	ND		49.6	53.9		ug/Kg		109	55 - 145	1	30
N-Propylbenzene	ND		49.6	55.0		ug/Kg		111	65 - 140	1	25
o-Xylene	ND		49.6	50.0		ug/Kg		101	65 - 130	0	25
p-Isopropyltoluene	ND		49.6	53.6		ug/Kg		108	60 - 140	2	25
sec-Butylbenzene	ND		49.6	53.7		ug/Kg		108	60 - 135	1	25
Styrene	ND		49.6	54.4		ug/Kg		110	70 - 140	1	25
Tert-amyl-methyl ether (TAME)	ND		49.6	59.6		ug/Kg		120	60 - 150	5	25
tert-Butyl alcohol (TBA)	ND		496	501		ug/Kg		101	65 - 145	4	30
tert-Butylbenzene	ND		49.6	56.0		ug/Kg		113	60 - 140	2	25
1,1,1,2-Tetrachloroethane	ND		49.6	50.6		ug/Kg		102	65 - 145	2	20
1,1,2,2-Tetrachloroethane	ND		49.6	57.1		ug/Kg		115	40 - 160	5	30
Tetrachloroethene	ND		49.6	52.2		ug/Kg		105	65 - 135	0	25
Toluene	ND		49.6	52.1		ug/Kg		105	70 - 130	2	20
trans-1,2-Dichloroethene	ND		49.6	55.5		ug/Kg		112	70 - 135	2	25
trans-1,3-Dichloropropene	ND		49.6	53.2		ug/Kg		107	60 - 145	0	25
1,2,3-Trichlorobenzene	ND		49.6	59.1		ug/Kg		119	45 - 145	7	30
1,2,4-Trichlorobenzene	ND		49.6	58.7		ug/Kg		118	50 - 140	3	30
1,1,1-Trichloroethane	ND		49.6	52.0		ug/Kg		105	65 - 145	5	20
1,1,2-Trichloroethane	ND		49.6	54.5		ug/Kg		110	65 - 140	2	30
Trichloroethene	ND		49.6	53.7		ug/Kg		108	65 - 140	0	25
Trichlorofluoromethane	ND		49.6	52.0		ug/Kg		105	55 - 155	0	25
1,2,3-Trichloropropane	ND		49.6	54.1		ug/Kg		109	50 - 150	0	30
1,2,4-Trimethylbenzene	ND		49.6	54.9		ug/Kg		111	65 - 140	1	25
1,3,5-Trimethylbenzene	ND		49.6	55.1		ug/Kg		111	65 - 135	2	25
Vinyl chloride	ND		49.6	43.3		ug/Kg		87	55 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*724*		*01 - 792*
Dibromofluoromethane (Surr)	*16*		*62 - 792*
Toluene-d: (Surr)	*726*		*01 - 793*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-320145/9
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/25/16 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*: 1*		*65 - 742*		*23/95/76 798:36*	*7*

Lab Sample ID: LCS 440-320145/7
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1610		ug/Kg		100	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*09*		*65 - 742*

Lab Sample ID: LCSD 440-320145/8
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1530		ug/Kg		96	70 - 135	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*61*		*65 - 742*

Lab Sample ID: 440-142363-A-3 MS
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1580	1350		ug/Kg		85	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*03*		*65 - 742*

Lab Sample ID: 440-142363-A-3 MSD
Matrix: Solid
Analysis Batch: 320145

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1050		ug/Kg		66	60 - 140	25	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*02*		*65 - 742*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 440-320146/5
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/25/16 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*720*		*65 - 742*		*23/95/76 728:30*	*7*

Lab Sample ID: LCS 440-320146/3
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1370		ug/Kg		86	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*726*		*65 - 742*

Lab Sample ID: LCSD 440-320146/4
Matrix: Solid
Analysis Batch: 320146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1350		ug/Kg		84	70 - 135	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*724*		*65 - 742*

Lab Sample ID: MB 440-320379/35
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			03/27/16 00:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*: 5*		*65 - 742*		*23/90/76 228:96*	*7*

Lab Sample ID: LCS 440-320379/33
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1660		ug/Kg		104	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*00*		*65 - 742*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 440-320379/34
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1660		ug/Kg		104	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*: 3*		*65 - 742*

Lab Sample ID: 440-142507-B-1 MS
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1580	1400		ug/Kg		89	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*01*		*65 - 742*

Lab Sample ID: 440-142507-B-1 MSD
Matrix: Solid
Analysis Batch: 320379

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1440		ug/Kg		91	60 - 140	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*: 2*		*65 - 742*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-319096/1-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319096

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/21/16 16:02	03/22/16 13:11	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/21/16 16:02	03/22/16 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*67*		*42 - 742*	*23/97/76 76829*	*23/99/76 73877*	*7*

Lab Sample ID: LCS 440-319096/2-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319096

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
EFH (C10 - C28)			66.7	46.6		mg/Kg		70	45 - 115		

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-319096/2-A
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319096

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*69*		*42 - 742*

Lab Sample ID: 440-142089-M-1-A MS
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 319096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	ND		141	105		mg/Kg		70	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*63*		*42 - 742*

Lab Sample ID: 440-142089-M-1-B MSD
Matrix: Solid
Analysis Batch: 319243

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 319096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	ND		137	114		mg/Kg		79	40 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*02*		*42 - 742*

Lab Sample ID: MB 440-319403/1-A
Matrix: Solid
Analysis Batch: 319692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319403

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/22/16 16:57	03/23/16 15:23	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/22/16 16:57	03/23/16 15:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*: 7*		*42 - 742*	*23/99/76 7650*	*23/93/76 7593*	*7*

Lab Sample ID: LCS 440-319403/2-A
Matrix: Solid
Analysis Batch: 319692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319403

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)			66.7	45.6		mg/Kg		68	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*00*		*42 - 742*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-142047-A-13-A MS
Matrix: Solid
Analysis Batch: 319673

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 319403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	20		66.4	52.1		mg/Kg		49	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*: :*		*42 - 742*

Lab Sample ID: 440-142047-A-13-B MSD
Matrix: Solid
Analysis Batch: 319673

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 319403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	20		66.1	55.7		mg/Kg		55	40 - 120	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*: 5*		*42 - 742*

Lab Sample ID: MB 440-319463/1-A
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319463

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0		mg/Kg		03/22/16 21:27	03/24/16 08:43	1
ORO (C23-C40)	ND		5.0		mg/Kg		03/22/16 21:27	03/24/16 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*: 4*		*42 - 742*	*23/99/76 979:90*	*23/94/76 2: 8:43*	*7*

Lab Sample ID: LCS 440-319463/2-A
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319463

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)			66.7	51.2		mg/Kg		77	45 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*: 0*		*42 - 742*

Lab Sample ID: 440-142056-14 MS
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: SB-6-11
Prep Type: Total/NA
Prep Batch: 319463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	27		141	131		mg/Kg		73	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*: 5*		*42 - 742*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 440-142056-14 MSD
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: SB-6-11
Prep Type: Total/NA
Prep Batch: 319463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	27		141	137		mg/Kg		78	40 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*: 0*		*42 - 742*

Lab Sample ID: 440-142056-H-14-A MS
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 319463

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EFH (C10 - C28)	27		141	131		mg/Kg		73	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*: 5*		*42 - 742*

Lab Sample ID: 440-142056-H-14-B MSD
Matrix: Solid
Analysis Batch: 319836

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 319463

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
EFH (C10 - C28)	27		141	137		mg/Kg		78	40 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*: 0*		*42 - 742*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-318959/1-A ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 318959

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Arsenic	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Barium	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Beryllium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Cadmium	ND		0.50		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Chromium	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Cobalt	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Copper	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Lead	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Molybdenum	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Nickel	ND		2.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Selenium	ND		3.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Silver	ND		1.5		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Thallium	ND		9.9		mg/Kg		03/21/16 08:56	03/24/16 19:00	5
Vanadium	ND		0.99		mg/Kg		03/21/16 08:56	03/24/16 19:00	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-318959/1-A ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 318959

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		5.0		mg/Kg		03/21/16 08:56	03/24/16 19:00	5

Lab Sample ID: LCS 440-318959/2-A ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	50.0		mg/Kg		101	80 - 120
Arsenic	49.8	46.5		mg/Kg		93	80 - 120
Barium	49.8	50.2		mg/Kg		101	80 - 120
Beryllium	49.8	47.8		mg/Kg		96	80 - 120
Cadmium	49.8	48.0		mg/Kg		97	80 - 120
Chromium	49.8	53.2		mg/Kg		107	80 - 120
Cobalt	49.8	53.1		mg/Kg		107	80 - 120
Copper	49.8	49.7		mg/Kg		100	80 - 120
Lead	49.8	49.2		mg/Kg		99	80 - 120
Molybdenum	49.8	49.8		mg/Kg		100	80 - 120
Nickel	49.8	51.5		mg/Kg		104	80 - 120
Selenium	49.8	43.4		mg/Kg		87	80 - 120
Silver	24.9	25.4		mg/Kg		102	80 - 120
Thallium	49.8	49.1		mg/Kg		99	80 - 120
Vanadium	49.8	49.6		mg/Kg		100	80 - 120
Zinc	49.8	46.4		mg/Kg		93	80 - 120

Lab Sample ID: 440-142056-1 MS
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: SB-1-7
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.8	34.7	F1	mg/Kg		70	75 - 125
Arsenic	ND		49.8	48.4		mg/Kg		97	75 - 125
Barium	41		49.8	100		mg/Kg		120	75 - 125
Beryllium	ND		49.8	49.2		mg/Kg		98	75 - 125
Cadmium	ND		49.8	48.4		mg/Kg		97	75 - 125
Chromium	11		49.8	66.6		mg/Kg		112	75 - 125
Cobalt	3.1		49.8	56.6		mg/Kg		107	75 - 125
Copper	4.8		49.8	58.5		mg/Kg		108	75 - 125
Lead	2.3		49.8	52.3		mg/Kg		100	75 - 125
Molybdenum	ND		49.8	49.2		mg/Kg		99	75 - 125
Nickel	5.5		49.8	59.5		mg/Kg		109	75 - 125
Selenium	ND		49.8	43.5		mg/Kg		87	75 - 125
Silver	ND		24.9	25.5		mg/Kg		102	75 - 125
Thallium	ND		49.8	48.7		mg/Kg		98	75 - 125
Vanadium	17		49.8	72.1		mg/Kg		110	75 - 125
Zinc	15		49.8	63.9		mg/Kg		98	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142056-1 MSD
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: SB-1-7
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.3	33.6	F1	mg/Kg		68	75 - 125	3	20
Arsenic	ND		49.3	46.2		mg/Kg		94	75 - 125	5	20
Barium	41		49.3	92.3		mg/Kg		105	75 - 125	8	20
Beryllium	ND		49.3	47.4		mg/Kg		96	75 - 125	4	20
Cadmium	ND		49.3	46.0		mg/Kg		93	75 - 125	5	20
Chromium	11		49.3	63.0		mg/Kg		106	75 - 125	6	20
Cobalt	3.1		49.3	54.2		mg/Kg		104	75 - 125	4	20
Copper	4.8		49.3	55.2		mg/Kg		102	75 - 125	6	20
Lead	2.3		49.3	49.9		mg/Kg		97	75 - 125	5	20
Molybdenum	ND		49.3	47.5		mg/Kg		96	75 - 125	4	20
Nickel	5.5		49.3	56.6		mg/Kg		104	75 - 125	5	20
Selenium	ND		49.3	41.6		mg/Kg		85	75 - 125	4	20
Silver	ND		24.6	24.4		mg/Kg		99	75 - 125	4	20
Thallium	ND		49.3	46.9		mg/Kg		95	75 - 125	4	20
Vanadium	17		49.3	67.5		mg/Kg		102	75 - 125	7	20
Zinc	15		49.3	59.9		mg/Kg		91	75 - 125	6	20

Lab Sample ID: 440-142056-G-1-B MS ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	49.8	34.7	F1	mg/Kg		70	75 - 125
Arsenic	ND		49.8	48.4		mg/Kg		97	75 - 125
Barium	41		49.8	100		mg/Kg		120	75 - 125
Beryllium	ND		49.8	49.2		mg/Kg		98	75 - 125
Cadmium	ND		49.8	48.4		mg/Kg		97	75 - 125
Chromium	11		49.8	66.6		mg/Kg		112	75 - 125
Cobalt	3.1		49.8	56.6		mg/Kg		107	75 - 125
Copper	4.8		49.8	58.5		mg/Kg		108	75 - 125
Lead	2.3		49.8	52.3		mg/Kg		100	75 - 125
Molybdenum	ND		49.8	49.2		mg/Kg		99	75 - 125
Nickel	5.5		49.8	59.5		mg/Kg		109	75 - 125
Selenium	ND		49.8	43.5		mg/Kg		87	75 - 125
Silver	ND		24.9	25.5		mg/Kg		102	75 - 125
Thallium	ND		49.8	48.7		mg/Kg		98	75 - 125
Vanadium	17		49.8	72.1		mg/Kg		110	75 - 125
Zinc	15		49.8	63.9		mg/Kg		98	75 - 125

Lab Sample ID: 440-142056-G-1-C MSD ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.3	33.6	F1	mg/Kg		68	75 - 125	3	20
Arsenic	ND		49.3	46.2		mg/Kg		94	75 - 125	5	20
Barium	41		49.3	92.3		mg/Kg		105	75 - 125	8	20
Beryllium	ND		49.3	47.4		mg/Kg		96	75 - 125	4	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142056-G-1-C MSD ^5
Matrix: Solid
Analysis Batch: 320099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 318959

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		49.3	46.0		mg/Kg		93	75 - 125	5	20
Chromium	11		49.3	63.0		mg/Kg		106	75 - 125	6	20
Cobalt	3.1		49.3	54.2		mg/Kg		104	75 - 125	4	20
Copper	4.8		49.3	55.2		mg/Kg		102	75 - 125	6	20
Lead	2.3		49.3	49.9		mg/Kg		97	75 - 125	5	20
Molybdenum	ND		49.3	47.5		mg/Kg		96	75 - 125	4	20
Nickel	5.5		49.3	56.6		mg/Kg		104	75 - 125	5	20
Selenium	ND		49.3	41.6		mg/Kg		85	75 - 125	4	20
Silver	ND		24.6	24.4		mg/Kg		99	75 - 125	4	20
Thallium	ND		49.3	46.9		mg/Kg		95	75 - 125	4	20
Vanadium	17		49.3	67.5		mg/Kg		102	75 - 125	7	20
Zinc	15		49.3	59.9		mg/Kg		91	75 - 125	6	20

Lab Sample ID: MB 440-319531/1-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319531

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Arsenic	ND		3.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Barium	ND		1.5		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Beryllium	ND		0.49		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Cadmium	ND		0.49		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Chromium	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Cobalt	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Copper	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Lead	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Molybdenum	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Nickel	ND		2.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Selenium	ND		3.0		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Silver	ND		1.5		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Thallium	ND		9.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Vanadium	ND		0.99		mg/Kg		03/23/16 08:37	03/29/16 22:45	5
Zinc	ND		4.9		mg/Kg		03/23/16 08:37	03/29/16 22:45	5

Lab Sample ID: LCS 440-319531/2-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.8	48.3		mg/Kg		97	80 - 120
Arsenic	49.8	44.1		mg/Kg		89	80 - 120
Barium	49.8	50.2		mg/Kg		101	80 - 120
Beryllium	49.8	45.8		mg/Kg		92	80 - 120
Cadmium	49.8	46.0		mg/Kg		93	80 - 120
Chromium	49.8	51.0		mg/Kg		103	80 - 120
Cobalt	49.8	50.0		mg/Kg		101	80 - 120
Copper	49.8	45.5		mg/Kg		91	80 - 120
Lead	49.8	47.5		mg/Kg		95	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 440-319531/2-A ^5
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Molybdenum			49.8	47.4		mg/Kg		95	80 - 120		
Nickel			49.8	49.1		mg/Kg		99	80 - 120		
Selenium			49.8	40.1		mg/Kg		81	80 - 120		
Silver			24.9	20.0		mg/Kg		80	80 - 120		
Thallium			49.8	46.6		mg/Kg		94	80 - 120		
Vanadium			49.8	46.4		mg/Kg		93	80 - 120		
Zinc			49.8	44.1		mg/Kg		89	80 - 120		

Lab Sample ID: 440-142062-2 MS
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: SB-4-13
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Antimony	ND	F1	49.3	27.8	F1	mg/Kg		56	75 - 125		
Arsenic	ND		49.3	47.0		mg/Kg		90	75 - 125		
Barium	49		49.3	99.2		mg/Kg		102	75 - 125		
Beryllium	0.50		49.3	45.7		mg/Kg		92	75 - 125		
Cadmium	ND		49.3	45.0		mg/Kg		91	75 - 125		
Chromium	15		49.3	66.0		mg/Kg		104	75 - 125		
Cobalt	6.5		49.3	51.6		mg/Kg		92	75 - 125		
Copper	8.1		49.3	57.1		mg/Kg		99	75 - 125		
Lead	3.6		49.3	49.0		mg/Kg		92	75 - 125		
Molybdenum	ND		49.3	45.1		mg/Kg		92	75 - 125		
Nickel	8.5		49.3	57.5		mg/Kg		99	75 - 125		
Selenium	ND		49.3	40.5		mg/Kg		82	75 - 125		
Silver	ND	F1 F2	24.6	23.5		mg/Kg		95	75 - 125		
Thallium	ND		49.3	44.2		mg/Kg		90	75 - 125		
Vanadium	22		49.3	71.5		mg/Kg		101	75 - 125		
Zinc	22		49.3	66.6		mg/Kg		91	75 - 125		

Lab Sample ID: 440-142062-2 MSD
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: SB-4-13
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	49.5	27.3	F1	mg/Kg		55	75 - 125	2	20
Arsenic	ND		49.5	46.4		mg/Kg		88	75 - 125	1	20
Barium	49		49.5	98.9		mg/Kg		101	75 - 125	0	20
Beryllium	0.50		49.5	46.3		mg/Kg		92	75 - 125	1	20
Cadmium	ND		49.5	45.3		mg/Kg		91	75 - 125	1	20
Chromium	15		49.5	68.0		mg/Kg		107	75 - 125	3	20
Cobalt	6.5		49.5	51.6		mg/Kg		91	75 - 125	0	20
Copper	8.1		49.5	57.5		mg/Kg		100	75 - 125	1	20
Lead	3.6		49.5	49.0		mg/Kg		92	75 - 125	0	20
Molybdenum	ND		49.5	45.4		mg/Kg		92	75 - 125	1	20
Nickel	8.5		49.5	57.5		mg/Kg		99	75 - 125	0	20
Selenium	ND		49.5	40.5		mg/Kg		82	75 - 125	0	20
Silver	ND	F1 F2	24.8	17.3	F1 F2	mg/Kg		70	75 - 125	31	20
Thallium	ND		49.5	45.0		mg/Kg		91	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-142062-2 MSD
Matrix: Solid
Analysis Batch: 321081

Client Sample ID: SB-4-13
Prep Type: Total/NA
Prep Batch: 319531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	22		49.5	72.5		mg/Kg		103	75 - 125	1	20
Zinc	22		49.5	67.4		mg/Kg		92	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-320203/1-B
Matrix: Solid
Analysis Batch: 320686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 320203

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		03/28/16 07:56	03/28/16 12:18	1

Lab Sample ID: LCS 440-320203/2-B
Matrix: Solid
Analysis Batch: 320686

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 320203

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.800	0.719		mg/Kg		90	80 - 120		

Lab Sample ID: 440-140815-A-1-H MS
Matrix: Solid
Analysis Batch: 320686

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 320203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.034		0.800	0.693		mg/Kg		82	70 - 130		

Lab Sample ID: 440-140815-A-1-I MSD
Matrix: Solid
Analysis Batch: 320686

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 320203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.034		0.800	0.722		mg/Kg		86	70 - 130	4	20

GC/MS VOA

Prep Batch: 318793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	5035	
440-142056-2	SB-1-10	Total/NA	Solid	5035	
440-142056-4	SB-2-8	Total/NA	Solid	5035	
440-142056-7	SB-3-8	Total/NA	Solid	5035	
440-142056-8	SB-3-10	Total/NA	Solid	5035	
440-142056-10	SB-5-7.5	Total/NA	Solid	5035	
440-142056-11	SB-5-10	Total/NA	Solid	5035	
440-142056-13	SB-6-7	Total/NA	Solid	5035	
440-142056-14	SB-6-11	Total/NA	Solid	5035	

Prep Batch: 319021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	5035	
440-142062-2	SB-4-13	Total/NA	Solid	5035	

Analysis Batch: 319492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	8260B	319021
440-142111-A-4 MS	Matrix Spike	Total/NA	Solid	8260B	
440-142111-A-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
LCS 440-319492/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-319492/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 319521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8260B	318793
440-142056-2	SB-1-10	Total/NA	Solid	8260B	318793
440-142056-4	SB-2-8	Total/NA	Solid	8260B	318793
440-142056-7	SB-3-8	Total/NA	Solid	8260B	318793
440-142056-8	SB-3-10	Total/NA	Solid	8260B	318793
440-142056-10	SB-5-7.5	Total/NA	Solid	8260B	318793
440-142056-11	SB-5-10	Total/NA	Solid	8260B	318793
440-142056-13	SB-6-7	Total/NA	Solid	8260B	318793
440-142056-14	SB-6-11	Total/NA	Solid	8260B	318793
LCS 440-319521/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-319521/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 440-319521/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 319787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8260B	
440-142056-5 MS	SB-2-10	Total/NA	Solid	8260B	
440-142056-5 MSD	SB-2-10	Total/NA	Solid	8260B	
440-142056-H-5 MS	Matrix Spike	Total/NA	Solid	8260B	
440-142056-H-5 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
440-142062-1	SB-4-11	Total/NA	Solid	8260B	319021
LCS 440-319787/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-319787/4	Method Blank	Total/NA	Solid	8260B	

GC VOA

Prep Batch: 318793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	5035	
440-142056-2	SB-1-10	Total/NA	Solid	5035	
440-142056-4	SB-2-8	Total/NA	Solid	5035	
440-142056-7	SB-3-8	Total/NA	Solid	5035	
440-142056-10	SB-5-7.5	Total/NA	Solid	5035	
440-142056-11	SB-5-10	Total/NA	Solid	5035	
440-142056-13	SB-6-7	Total/NA	Solid	5035	
440-142056-14	SB-6-11	Total/NA	Solid	5035	

Analysis Batch: 320145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8015B	
440-142056-8	SB-3-10	Total/NA	Solid	8015B	
440-142363-A-3 MS	Matrix Spike	Total/NA	Solid	8015B	
440-142363-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-320145/7	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320145/8	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320145/9	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 320146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8015B	318793
440-142056-2	SB-1-10	Total/NA	Solid	8015B	318793
440-142056-4	SB-2-8	Total/NA	Solid	8015B	318793
440-142056-7	SB-3-8	Total/NA	Solid	8015B	318793
440-142056-10	SB-5-7.5	Total/NA	Solid	8015B	318793
440-142056-11	SB-5-10	Total/NA	Solid	8015B	318793
440-142056-13	SB-6-7	Total/NA	Solid	8015B	318793
440-142056-14	SB-6-11	Total/NA	Solid	8015B	318793
LCS 440-320146/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320146/4	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320146/5	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 320379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	8015B	
440-142062-2	SB-4-13	Total/NA	Solid	8015B	
440-142507-B-1 MS	Matrix Spike	Total/NA	Solid	8015B	
440-142507-B-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	
LCS 440-320379/33	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-320379/34	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-320379/35	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 319096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	3546	
440-142089-M-1-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142089-M-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 319096 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-319096/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319096/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 319243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-1	SB-4-11	Total/NA	Solid	8015B	319096
440-142089-M-1-A MS	Matrix Spike	Total/NA	Solid	8015B	319096
440-142089-M-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319096
LCS 440-319096/2-A	Lab Control Sample	Total/NA	Solid	8015B	319096
MB 440-319096/1-A	Method Blank	Total/NA	Solid	8015B	319096

Prep Batch: 319403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142047-A-13-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142047-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-142056-1	SB-1-7	Total/NA	Solid	3546	
440-142056-2	SB-1-10	Total/NA	Solid	3546	
440-142056-4	SB-2-8	Total/NA	Solid	3546	
440-142056-5	SB-2-10	Total/NA	Solid	3546	
440-142056-7	SB-3-8	Total/NA	Solid	3546	
440-142056-8	SB-3-10	Total/NA	Solid	3546	
440-142056-10	SB-5-7.5	Total/NA	Solid	3546	
440-142056-11	SB-5-10	Total/NA	Solid	3546	
440-142056-13	SB-6-7	Total/NA	Solid	3546	
LCS 440-319403/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319403/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 319463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-14	SB-6-11	Total/NA	Solid	3546	
440-142056-14 MS	SB-6-11	Total/NA	Solid	3546	
440-142056-14 MSD	SB-6-11	Total/NA	Solid	3546	
440-142056-H-14-A MS	Matrix Spike	Total/NA	Solid	3546	
440-142056-H-14-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	
440-142062-2	SB-4-13	Total/NA	Solid	3546	
LCS 440-319463/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 440-319463/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 319565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	8015B	319403
440-142056-4	SB-2-8	Total/NA	Solid	8015B	319403
440-142056-7	SB-3-8	Total/NA	Solid	8015B	319403
440-142056-10	SB-5-7.5	Total/NA	Solid	8015B	319403
440-142056-13	SB-6-7	Total/NA	Solid	8015B	319403

Analysis Batch: 319673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142047-A-13-A MS	Matrix Spike	Total/NA	Solid	8015B	319403
440-142047-A-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319403
440-142056-2	SB-1-10	Total/NA	Solid	8015B	319403

GC Semi VOA (Continued)

Analysis Batch: 319673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-5	SB-2-10	Total/NA	Solid	8015B	319403
440-142056-8	SB-3-10	Total/NA	Solid	8015B	319403

Analysis Batch: 319692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-319403/2-A	Lab Control Sample	Total/NA	Solid	8015B	319403
MB 440-319403/1-A	Method Blank	Total/NA	Solid	8015B	319403

Analysis Batch: 319836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-11	SB-5-10	Total/NA	Solid	8015B	319403
440-142056-14	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-14 MS	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-14 MSD	SB-6-11	Total/NA	Solid	8015B	319463
440-142056-H-14-A MS	Matrix Spike	Total/NA	Solid	8015B	319463
440-142056-H-14-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	319463
440-142062-2	SB-4-13	Total/NA	Solid	8015B	319463
LCS 440-319463/2-A	Lab Control Sample	Total/NA	Solid	8015B	319463
MB 440-319463/1-A	Method Blank	Total/NA	Solid	8015B	319463

Metals

Prep Batch: 318959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	3050B	
440-142056-1 MS	SB-1-7	Total/NA	Solid	3050B	
440-142056-1 MSD	SB-1-7	Total/NA	Solid	3050B	
440-142056-2	SB-1-10	Total/NA	Solid	3050B	
440-142056-4	SB-2-8	Total/NA	Solid	3050B	
440-142056-5	SB-2-10	Total/NA	Solid	3050B	
440-142056-7	SB-3-8	Total/NA	Solid	3050B	
440-142056-8	SB-3-10	Total/NA	Solid	3050B	
440-142056-10	SB-5-7.5	Total/NA	Solid	3050B	
440-142056-11	SB-5-10	Total/NA	Solid	3050B	
440-142056-13	SB-6-7	Total/NA	Solid	3050B	
440-142056-14	SB-6-11	Total/NA	Solid	3050B	
440-142056-G-1-B MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-142056-G-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	
440-142062-1	SB-4-11	Total/NA	Solid	3050B	
440-142062-4	IDW-Drum-031916	Total/NA	Solid	3050B	
LCS 440-318959/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-318959/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 319531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	3050B	
440-142062-2 MS	SB-4-13	Total/NA	Solid	3050B	
440-142062-2 MSD	SB-4-13	Total/NA	Solid	3050B	
LCS 440-319531/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-319531/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Analysis Batch: 320099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-1	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-1 MS	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-1 MSD	SB-1-7	Total/NA	Solid	6010B	318959
440-142056-2	SB-1-10	Total/NA	Solid	6010B	318959
440-142056-4	SB-2-8	Total/NA	Solid	6010B	318959
440-142056-5	SB-2-10	Total/NA	Solid	6010B	318959
440-142056-7	SB-3-8	Total/NA	Solid	6010B	318959
440-142056-8	SB-3-10	Total/NA	Solid	6010B	318959
440-142056-10	SB-5-7.5	Total/NA	Solid	6010B	318959
440-142056-11	SB-5-10	Total/NA	Solid	6010B	318959
440-142056-13	SB-6-7	Total/NA	Solid	6010B	318959
440-142056-14	SB-6-11	Total/NA	Solid	6010B	318959
440-142056-G-1-B MS ^5	Matrix Spike	Total/NA	Solid	6010B	318959
440-142056-G-1-C MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	318959
440-142062-1	SB-4-11	Total/NA	Solid	6010B	318959
440-142062-4	IDW-Drum-031916	Total/NA	Solid	6010B	318959
LCS 440-318959/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	318959
MB 440-318959/1-A ^5	Method Blank	Total/NA	Solid	6010B	318959

Prep Batch: 320203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-140815-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	
440-140815-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	
440-142056-1	SB-1-7	Total/NA	Solid	7471A	
440-142056-2	SB-1-10	Total/NA	Solid	7471A	
440-142056-4	SB-2-8	Total/NA	Solid	7471A	
440-142056-5	SB-2-10	Total/NA	Solid	7471A	
440-142056-7	SB-3-8	Total/NA	Solid	7471A	
440-142056-8	SB-3-10	Total/NA	Solid	7471A	
440-142056-10	SB-5-7.5	Total/NA	Solid	7471A	
440-142056-11	SB-5-10	Total/NA	Solid	7471A	
440-142056-13	SB-6-7	Total/NA	Solid	7471A	
440-142056-14	SB-6-11	Total/NA	Solid	7471A	
440-142062-1	SB-4-11	Total/NA	Solid	7471A	
440-142062-2	SB-4-13	Total/NA	Solid	7471A	
440-142062-4	IDW-Drum-031916	Total/NA	Solid	7471A	
LCS 440-320203/2-B	Lab Control Sample	Total/NA	Solid	7471A	
MB 440-320203/1-B	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 320686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-140815-A-1-H MS	Matrix Spike	Total/NA	Solid	7471A	320203
440-140815-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	320203
440-142056-1	SB-1-7	Total/NA	Solid	7471A	320203
440-142056-2	SB-1-10	Total/NA	Solid	7471A	320203
440-142056-4	SB-2-8	Total/NA	Solid	7471A	320203
440-142056-5	SB-2-10	Total/NA	Solid	7471A	320203
440-142056-7	SB-3-8	Total/NA	Solid	7471A	320203
440-142056-8	SB-3-10	Total/NA	Solid	7471A	320203
440-142056-10	SB-5-7.5	Total/NA	Solid	7471A	320203
440-142056-11	SB-5-10	Total/NA	Solid	7471A	320203

Metals (Continued)

Analysis Batch: 320686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142056-13	SB-6-7	Total/NA	Solid	7471A	320203
440-142056-14	SB-6-11	Total/NA	Solid	7471A	320203
440-142062-1	SB-4-11	Total/NA	Solid	7471A	320203
440-142062-2	SB-4-13	Total/NA	Solid	7471A	320203
440-142062-4	IDW-Drum-031916	Total/NA	Solid	7471A	320203
LCS 440-320203/2-B	Lab Control Sample	Total/NA	Solid	7471A	320203
MB 440-320203/1-B	Method Blank	Total/NA	Solid	7471A	320203

Analysis Batch: 321081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-142062-2	SB-4-13	Total/NA	Solid	6010B	319531
440-142062-2 MS	SB-4-13	Total/NA	Solid	6010B	319531
440-142062-2 MSD	SB-4-13	Total/NA	Solid	6010B	319531
LCS 440-319531/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	319531
MB 440-319531/1-A ^5	Method Blank	Total/NA	Solid	6010B	319531

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Ramboll Environ US Corporation
TestAmerica Job ID: 440-142056-1
Project/Site: 700 N Sepulveda Blvd, El Segundo, 041685

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-16
California	LA Cty Sanitation Districts	9	10256	01-31-17 *
California	State Program	9	CA ELAP 2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-17
Hawaii	State Program	9	N/A	01-29-17
Kansas	NELAP Secondary AB	7	E-10420	07-31-16
Nevada	State Program	9	CA015312007A	07-31-16
New Mexico	State Program	6	N/A	01-29-17
Northern Mariana Islands	State Program	9	MP0002	01-29-16 *
Oregon	NELAP	10	4005	01-29-17
USDA	Federal		P330-09-00080	07-08-18
Washington	State Program	10	900	09-03-16

* Certification renewal pending - certification considered valid.

RAMBOLL ENVIRON

CHAIN-OF-CUSTODY FORM № 11760

UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____ MSA# _____ WO# WO-2016-317

PROJECT NAME/FACILITY ID 700 N. SEPULVEDA

PROJECT LOCATION EL SEGUNDO DATE 03/19/16

PROJECT NUMBER 0416856Q

FIELD PERSON P. Holland-Stergar

PROJECT MANAGER R. Wale

LABORATORY Test America

SAMPLER P. Holland-Stergar

SIGNATURE

YEAR: 2016

SAMPLE I.D. NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (FT)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED: TPH full range by 8015mod	VOCs by 8260B	Cal Metals by 6010A 17 metals	HOLD *	COMMENTS
SB-1-7	3/19/16	1030	7	N/A	S	5	U	NO	✓	✓	✓		* HOLD:
SB-1-10		1034	10			5			✓	✓	✓	✓	HOLD THESE
SB-1-15		1042	15			5			✓	✓	✓	✓	SAMPLES - DO
SB-2-8		1114	8			5			✓	✓	✓		NOT ANALYZE -
SB-2-10		1120	10			5			✓	✓	✓	✓	UNTIL CONFIRMATION
SB-2-15		1125	15			5			✓	✓	✓	✓	FROM R. WALE
SB-3-8		1217	8			4			✓	✓	✓		OF RAMBOLL
SB-3-10		1218	10			4			✓	✓	✓	✓	ENVIRON
SB-3-15		1220	15			4			✓	✓	✓	✓	
~~SB-4~~									✓	✓	✓		
~~SB-4~~ (PHS)									✓	✓	✓		
~~SB-4~~									✓	✓	✓		
SB-5-7.5	↓	0923	7.5	↓	↓	5	↓	↓	✓	✓	✓		
TOTAL						47							

440-142056 Chain of Custody

H = HCL; N = HNO3; S = H2SO4; U = UNKNOWN; NO = NONE; O = OTHER; V = VARIOUS

RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
P. Holland-Stergar	1256 3-19-16	[illegible] TAS	3-19-16 12:56
[illegible]	1300 3-19-16	[illegible] TAS	17:50 3/19/16

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY INTACT Y N TEMP 1.4/1.9 IR

IF SEALED, SEAL INTEGRITY INTACT Y N

3/30/2016

WBU Office Locations:

- ☒ 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 (949) 261-5151 | (949) 261-6202 Fax
- ☐ 707 Wilshire Boulevard, Suite 4950, Los Angeles, CA 90017 (213) 943-6300 | (213) 943-6301 Fax
- ☐ 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 (602) 734-7700 | (602) 734-7701 Fax
- ☐ 501 West Broadway, Suite 800, San Diego, CA 92101 (619) 400-4934

RAMBOLL ENVIRON

CHAIN-OF-CUSTODY FORM № 11761

UST PROJECT OR IS EDF REQUIRED? Y N IF YES, GLOBAL ID #: _____ MSA# _____ WO# WO-2016-317

PROJECT NAME/FACILITY ID 700 N. SEPULVEDA

PROJECT LOCATION EL SEGUNDO DATE 03/19/16

PROJECT NUMBER 0416856Q

FIELD PERSON P. Holland-Stegar

PROJECT MANAGER R. Wale

LABORATORY Test America

SAMPLER P. Holland-Stegar YEAR: 2016

SIGNATURE Pat Holl-S

SAMPLE I.D. NUMBER	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH (FT)	AIR SAMPLE VOLUME (L)	MATRIX (A) AIR (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED: TPH by 8015 mod. Full Range	VOCs by 8260B	Cal Manual 17-Metals by 6010B/7471A	HOLD *	COMMENTS
SB-5-10	3/19/16	0935	10	N/A	S	5	U	NO	✓	✓	✓	✓	* HOLD: DO NOT ANALYZE THESE SAMPLES UNTIL CONFIRMATION FROM R. WALE OF RAMBOLL ENVIRON
SB-5-15		0950	15			5			✓	✓	✓	✓	
SB-6-7		0822	7			5			✓	✓	✓		
SB-6-11		0835	11			5			✓	✓	✓	✓	
SB-6-15		0850	15			5			✓	✓	✓	✓	
~~IDW~~ PHS											✓		
PHS													
TOTAL						25							

H = HCL: N = HNO3: S = H2SO4: U = UNKNOWN: NO = NONE: O = OTHER: V = VARIOUS

RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE
P. Holland-Stegar Pat Holl-S	1256 3/19/16	[illegible]	3/19/16 17:30
[illegible]	13:50 3-19-16	[illegible] TAI	13:50 3/19/16
RELINQUISHED BY	TIME/DATE	RECEIVED BY COMPANY	TIME/DATE

TURNAROUND TIME (CIRCLE ONE): SAME DAY / 24 HOURS / 48 HOURS / 72 HOURS / 5 DAYS / NORMAL

SAMPLE INTEGRITY INTACT Y N TEMP 1.4/1.7 IR 98

IF SEALED, SEAL INTEGRITY INTACT Y N

WBU Office Locations:

- ☒ 18100 Von Karman Avenue, Suite 600, Irvine, CA 92612 (949) 261-5151 | (949) 261-6202 Fax
- ☐ 707 Wilshire Boulevard, Suite 4950, Los Angeles, CA 90017 (213) 943-6300 | (213) 943-6301 Fax
- ☐ 2111 East Highland Avenue, Suite 402, Phoenix, AZ 85016 (602) 734-7700 | (602) 734-7701 Fax
- ☐ 501 West Broadway, Suite 800, San Diego, CA 92101 (619) 400-4934

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3/30/2016

Mata, Patty

From: Patrick Holland-Stergar [PHollandstergar@ramboll.com]
Sent: Tuesday, March 22, 2016 4:25 PM
To: Mata, Patty
Subject: Samples taken off hold for 700 N. Sepulveda Blvd. Project, El Segundo

Hi Patty,

For the 700 N. Sepulveda, El Segundo, project, please take the second shallowest sample from each boring location off of hold and run for all analyses listed. Thus, please take SB-1-10; SB-2-10; SB-3-10; SB-4-13; SB-5-10; and SB-6-11 off of hold and run for all analyses listed.

Also, please do not charge us for the disposable plastic terracore samplers I received with the rest of the sampling supplies, I did not order these items and understand that they were included in my supplies deliver by mistake.

Thanks,

Patrick Holland-Stergar

Associate

D +1 949 798 3688
M +1 406 533 8207
phollandstergar@ramboll.com

Ramboll Environ
18100 Von Karman Avenue
Suite 600
Irvine, CA 92612
USA
www.ramboll-environ.com

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Login Sample Receipt Checklist

Client: Ramboll Environ US Corporation

Job Number: 440-142056-1

Login Number: 142056
List Number: 1
Creator: Chavez, Yonny 1

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

April 24, 2018

Mr. Johnny Lopez
Equinix Communications
445 N. Douglas Street
El Segundo, California 90245

Underground Storage Tank Program – Case Closure
Equinix Communications
1920 E. Maple Avenue, El Segundo
Case No. R-10916A; Global ID. T10000010173; Priority D-1

Dear Mr. Lopez:

This letter confirms the completion of a site investigation and corrective action for the recent underground piping replacement and upgrades associated with the existing underground storage tank(s) located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the underground piping replacement and upgrades are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground tank(s) site is in compliance with the requirements of subdivision (a) and (b) of section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (g) of section 25296.10 of the Health and Safety Code.

Claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or

- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

If you have any questions concerning this matter, please contact Mr. Joshua Cwikla at (213) 576-6713 or joshua.cwikla@waterboards.ca.gov

Sincerely,

Deborah J. Smith
Executive Officer

cc: Micah Reich, State Water Resources Control Board, UST Cleanup Fund
James Carver, Fire Marshall, City of El Segundo Fire Department
Brian Partington Water Replenishment District of Southern California
Sujanitha Sambasivan, Equinix Communications
Sam Haber, AECOM
Vern Elarth, AECOM

Copy by mail:

Popkin Realty Co, adjacent land owner
20807 Belshaw Avenue Partners, adjacent land owner
Kramer Gary, adjacent land owner
Nineteen Twenty Four LLC, adjacent land owner
Essanay Enterprises, adjacent land owner
Charlotte C Rabin Et Al Tr; Rabin Trusts Partnership, adjacent land owner
Aerospace Center, adjacent land owner

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

April 24, 2018

Mr. Johnny Lopez
Equinix Communications
445 N. Douglas Street
El Segundo, California 90245

UNDERGROUND STORAGE TANK PROGRAM: TRANSMITTAL OF CLOSURE LETTER

Equinix Communications
1920 E. Maple Avenue, El Segundo
Case No. R-10916A; Global ID. T10000010173; Priority D-1

Dear Mr. Lopez:

Attached please find the closure letter for the subject site. The current record fee title owners were notified of the proposed closure in accordance with Section 25296.20 of Chapter 6.7 of the Health and Safety Code. The California Regional Water Quality Control Board, Los Angeles Region (Los Angeles Regional Board) sent a public notification of the proposed case closure to all interested parties, which included a 60-day public comment period. No comments were received.

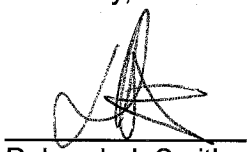
Based on the site specific information and data available in GeoTracker and the Los Angeles Regional Board's case file, we conclude that this case meets all the criteria of the State Water Resources Control Board's Low-Threat Underground Storage Tank Case Closure Policy and that a case closure determination is appropriate.

Site data indicate that there may be residual petroleum hydrocarbons in soil, groundwater, and/or vapor at this site that could pose an unacceptable risk as a result of future construction/redevelopment activities, such as on- or off-site excavations, the installation of water wells at or near the site, or change to a more sensitive land use from commercial use. Responsible parties, land owners, and contractors performing subsurface activities at the site should be prepared to encounter soil, groundwater, and/or vapor contaminated with petroleum hydrocarbons. Appropriate health and safety equipment and protocols should be used, and any encountered pollution should be managed properly to avoid threats to human health or the environment.

April 24, 2018

Please contact Mr. Daniel P. Pirotton at (213) 576-6714 or at daniel.pirotton@waterboards.ca.gov if you have any questions.

Sincerely,



Deborah J. Smith
Executive Officer

Attachment: Los Angeles Regional Board Closure Letter dated April 24, 2018

cc: Micah Reich, State Water Resources Control Board, UST Cleanup Fund
James Carver, Fire Marshall, City of El Segundo Fire Department
Brian Partington Water Replenishment District of Southern California
Sujanitha Sambasivan, Equinix Communications
Sam Haber, AECOM
Vern Elarth, AECOM

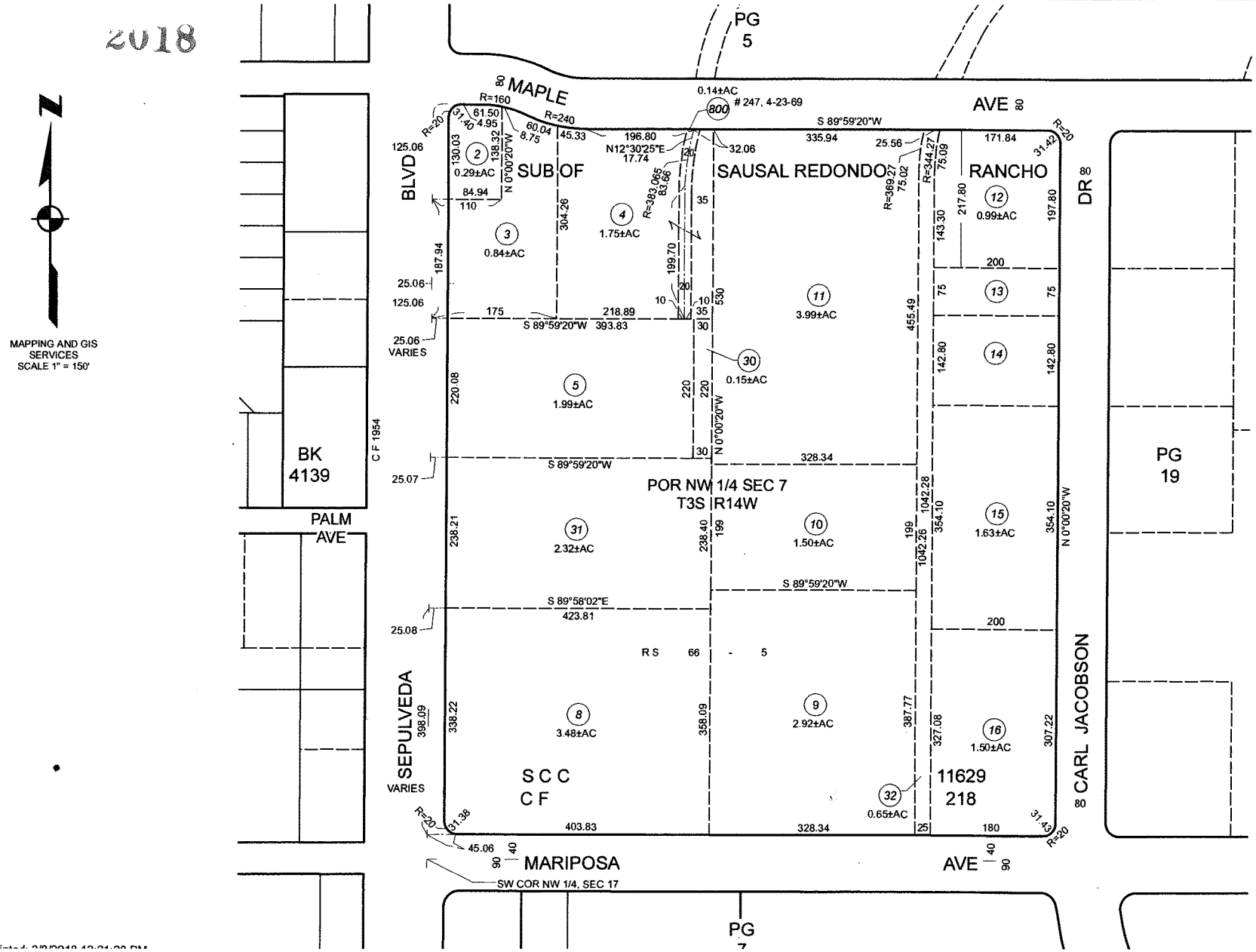
Copy by mail:

Popkin Realty Co, adjacent land owner
20807 Belshaw Avenue Partners, adjacent land owner
Kramer Gary, adjacent land owner
Nineteen Twenty Four LLC, adjacent land owner
Essanay Enterprises, adjacent land owner
Charlotte C Rabin Et Al Tr; Rabin Trusts Partnership, adjacent land owner
Aerospace Center, adjacent land owner

PAR 29 & 803 DEAD

4138	6 SHEET	P. A. 4139-6	TRA 9851	REVISED 761006612 770414806	840823-85 91041602001006-25 *20180312/9-26*				SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

2018



Date Printed: 2/2/2018 12:21:00 PM

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

Commercial Site
650 & 700 North Sepulveda
EL SEGUNDO, CA 90245

Inquiry Number: 5874708.2s
November 19, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

COORDINATES

Latitude (North):	33.9256800 - 33° 55' 32.44''
Longitude (West):	118.3954250 - 118° 23' 43.53''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371015.7
UTM Y (Meters):	3754598.0
Elevation:	116 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	THE BOEING CO	650-700 N SEPULVEDA	CA HAZNET		TP
A2	DEVLIN PHARMACEUTICA	700 N SEPULVEDA BLVD	SEMS-ARCHIVE		TP
A3	ALLIEDSIGNAL	650 S. SEPULVEDA BLV	CA UST		TP
A4	THE BOEING COMPANY	650-700 N SEPULVEDA	RCRA-LQG		TP
A5	SOUTHERN CALIFORNIA	650 N SEPULVEDA BLVD	CA HAZNET		TP
A6	BOEING SATELLITE SYS	700 N. SEPULVEDA BLV	CA AST		TP
A7	THE BOEING COMPANY	650-700 N SEPULVEDA	FINDS, ECHO		TP
A8	EL SEGUNDO	650 SEPULVEDA BOULEV	ICIS, FINDS, ECHO		TP
A9	DEVLIN PHARMACEUTICA	700 NORTH SEPULVEDA	CA ENVIROSTOR		TP
A10	BOEING SATELLITE SYS	700 N. SEPULVEDA BLV	FINDS		TP
A11	HUGHES SPACE & COMMU	650 - 700 N. SEPULVE	CA HAZNET		TP
A12	ALLIED CORP	650 S SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS		TP
A13	AERO SPACE CTR	650 N SEPULVEDA AVE	CA HAZNET		TP
A14	THE BOEING COMPANY -	650 N. PACIFIC COAST	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS	Higher	1 ft.
B15	HUGHES AIRCRAFT CO S	690 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	8, 0.002, SW
B16	TRI - CLEANERS	630 N SEPULVEDA BLVD	CA DRYCLEANERS	Higher	98, 0.019, SSW
B17	TRI-CLEANERS	630 N SEPULVEDA BLVD	EDR Hist Cleaner	Higher	98, 0.019, SSW
B18	TRI CLEANERS	630 N SEPULVEDA	RCRA-SQG, FINDS, ECHO, CA DRYCLEANERS	Higher	98, 0.019, SSW
B19	TRI-CLEANERS	630 N SEPULVEDA BLVD	CA DRYCLEANERS	Higher	98, 0.019, SSW
B20	LAX PHOTO LAB	630 N SEPULVEDA UNIT	RCRA-SQG, FINDS, ECHO	Higher	98, 0.019, SSW
B21	UNOCAL #5866	603 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Higher	130, 0.025, SSW
C22	HUGHES AIRCRAFT-EDSG	1920 MAPLE ST E	CA LUST, CA HIST CORTESE, CA CERS	Lower	170, 0.032, ENE
D23	LEONARDS INTERNATION	600 N SEPULVEDA BLVD	EDR Hist Auto	Higher	174, 0.033, SSW
D24	SEGUNDO ASSOCIATES	600 N. SEPULVEDA BLV	CA UST	Higher	174, 0.033, SSW
E25	MOTTA SHELL SERVICE	765 SEPULVEDA	CA HIST UST	Higher	176, 0.033, NW
F26	POPKLIN REALTY	607 LAIRPORT STREET	CA UST	Lower	200, 0.038, ESE
F27	HUGHES AIRCRAFT CO	607 LAIRPORT ST	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	200, 0.038, ESE
E28	MOTTA BROTHERS INC	763 N SEPULVEDA BLVD	EDR Hist Auto	Higher	201, 0.038, NW
E29	MOTTA BROTHERS	763 N. SEPULVEDA BL.	CA UST	Higher	201, 0.038, NW
E30	CIRCLE K STORE #2709	765 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA CERS TANKS, CA HAZNET, CA...	Higher	212, 0.040, NW
E31	MOBIL OIL CO	765 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	212, 0.040, NW
E32	CIRCLE K STORES INC.	765 N SEPULVEDA BLVD	CA UST	Higher	212, 0.040, NW
E33	CIRCLE K STORE #2709	765 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	212, 0.040, NW
E34	MOTTA BROTHERS INC	765 N SEPULVEDA BLVD	EDR Hist Auto	Higher	212, 0.040, NW
D35	UNION OIL SERVICE ST	603 N SEPULVEDA BLVD	CA HIST UST	Higher	247, 0.047, SSW
D36	AIRPORT 5 STAR	603 N SEPULVEDA BLVD	CA UST	Higher	247, 0.047, SSW
D37	AIRPORT 5 STAR	603 N SEPULVEDA BLVD	CA CERS TANKS, CA HAZNET, CA CERS	Higher	247, 0.047, SSW
D38	SERVICE STATION 5866	603 N SEPULVEDA BLVD	CA SWEEPS UST, CA HIST UST	Higher	247, 0.047, SSW
D39	TOSCO CORPORATION ST	603 N SEPULVEDA BLVD	CA HIST UST, CA HAZNET	Higher	247, 0.047, SSW

MAPPED SITES SUMMARY

Target Property Address:
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D40	WITT JIM UNION SERVI	603 N SEPULVEDA	EDR Hist Auto	Higher	247, 0.047, SSW
E41	BOB'S UNION 76	770 N. SEPULVEDA BLV	CA UST	Higher	256, 0.048, NNW
E42	BOB'S UNION (STA 461	770 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	256, 0.048, NNW
E43	SERVICE STATION 4613	770 N SEPULVEDA	CA HIST UST	Higher	256, 0.048, NNW
E44	KIZIRIAN BOB	770 N SEPULVEDA	EDR Hist Auto	Higher	256, 0.048, NNW
E45	UNOCAL #4613	770 SEPULVEDA BLVD N	CA LUST, CA SWEEPS UST, CA LOS ANGELES CO. HMS, CA...	Higher	256, 0.048, NNW
E46	TOSCO CORPORATION, S	770 N.SEPULVEDA BL.	CA UST	Higher	256, 0.048, NNW
E47	UNION OIL 4613	770 N SEPULVEDA BLVD	CA CERS HAZ WASTE, CA HIST UST, CA CERS TANKS, CA...	Higher	256, 0.048, NNW
G48	MARSHALL ELECTRONICS	1910 E MAPLE AVE	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Higher	279, 0.053, NNE
G49	ESALON	1910 EAST MAPLE AVEN	RCRA NonGen / NLR	Higher	279, 0.053, NNE
G50	ESALON.COM LLC	1910 E MAPLE AVE	RCRA NonGen / NLR	Higher	279, 0.053, NNE
H51	TRIO MANUFACTURING I	601 LAIRPORT ST	RCRA NonGen / NLR	Lower	298, 0.056, SE
H52	TRIO MANUFACTURING I	601 LAIRPORT ST	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Lower	298, 0.056, SE
H53	THE BOEING CO	601-603 LAIRPORT ST	RCRA-LQG	Lower	298, 0.056, SE
C54	EQUINIX LLC	1920 E MAPLE AVE	CA CERS HAZ WASTE, CA CERS TANKS, CA CERS	Lower	323, 0.061, NE
C55	EQUINIX LLC	1920 E MAPLE AVE	CA AST	Lower	323, 0.061, NE
C56	EQUINIX OPERATING CE	1920 E. MAPLE AVENUE	CA AST	Lower	323, 0.061, NE
C57	HUGHES AIRCRAFT CO E	1920 E MAPLE AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	323, 0.061, NE
C58	EQUINIX LLC	1920 E MAPLE AVE	RCRA NonGen / NLR	Lower	323, 0.061, NE
C59	A100 US, LLC-LAX 51	1920 E MAPLE AVE	RCRA-VSQG	Lower	323, 0.061, NE
C60	EQUINIX LLC	1920 E MAPLE AVE	CA UST	Lower	323, 0.061, NE
C61	EQUINIX LLC	1920 E MAPLE AVE	CA HIST UST, CA HAZNET	Lower	323, 0.061, NE
C62	EQUINIX COMMUNICATIO	1920 MAPLE AVE E	CA LUST, CA CERS	Lower	323, 0.061, NE
C63	EQUINIX LLC	1920 E MAPLE AVE	RCRA-SQG, CA HIST UST, FINDS, ECHO	Lower	323, 0.061, NE
F64	KEYSIGHT TECHNOLOGIE	700 LAIRPORT ST	RCRA NonGen / NLR	Lower	331, 0.063, East
F65	BLACKMORE & ASSOCIAT	700 LAIRPORT STREET	CA UST	Lower	331, 0.063, East
F66	BLACKMORE ASSOCIATES	700 LAIRPORT ST	CA LUST, CA CERS HAZ WASTE, CA SWEEPS UST, CA LOS...	Lower	331, 0.063, East
I67	XPO LOGISTICS SUPPLY	1921 EAST MARIPOSA A	CA CERS HAZ WASTE, CA NPDES, CA CIWQS, CA CERS	Lower	361, 0.068, SSE
I68	HUGHES	1921 MARIPOSA AVE	CA SWEEPS UST	Lower	361, 0.068, SSE
I69	RAYTHEON SYSTEMS COM	1921 E. MARIPOSA AVE	CA UST	Lower	361, 0.068, SSE
I70	RAYTHEON	1917-21 E MARIPOSA A	RCRA NonGen / NLR	Lower	372, 0.070, SSE
J71	LG NANOH2O	750 LAIRPORT	RCRA-LQG	Lower	387, 0.073, East
J72	L A X AUTOBODY	760 LAIRPORT ST	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA CERS	Lower	412, 0.078, East
J73	COOKS COLLISION OF E	760 LAIRPORT ST	RCRA NonGen / NLR	Lower	412, 0.078, East
J74	COOKS COLLISION OF E	760 LAIRPORT ST	RCRA-SQG, FINDS, ECHO	Lower	412, 0.078, East
J75	COOKS COLLISION AN A	760 LAIRPORT STREET	RCRA NonGen / NLR	Lower	412, 0.078, East
J76	CALIBER COLLISION CE	760 LAIRPORT ST	RCRA NonGen / NLR	Lower	412, 0.078, East
K77	FRITO LAY INC EL SEG	1924 EAST MAPLE	RCRA-SQG	Lower	520, 0.098, ENE
L78	HUGHES SPACE & COMMU	800 N. SEPULVEDA BL.	CA UST	Higher	555, 0.105, NNW

MAPPED SITES SUMMARY

Target Property Address:
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L79	HUGHES AIRCRAFT/GILB	800 N. SEPULVEDA BLV	CA ENVIROSTOR, CA VCP	Higher	555, 0.105, NNW
L80	HUGHES AIRCRAFT CO S	800 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	555, 0.105, NNW
M81	THE HERTZ CORPORATIO	540 N SEPULVEDA BLVD	CA HIST UST	Higher	561, 0.106, SSW
M82	OVERTON MOORE & ASSO	540 N SEPULVEDA BLVD	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Higher	561, 0.106, SSW
M83	OVERTON MOORE & ASSO	541 N. SEPULVEDA BL.	CA UST	Higher	612, 0.116, SSW
K84	ULTRA COLOR INC	1926 EAST MAPLE	RCRA-SQG, FINDS, ECHO	Lower	648, 0.123, ENE
K85	EX17-1925 MAPLE JV,	1925 E. MAPLE AVE	RCRA NonGen / NLR	Lower	731, 0.138, ENE
K86	HUGHES AIRCRAFT CO S	1925 E MAPLE AVE	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	731, 0.138, ENE
K87	HUGHES SPACE & COMMU	1925 E. MAPLE AVENUE	CA UST	Lower	731, 0.138, ENE
N88	SPRING CLEANERS	2003 E MARIPOSA AVE	CA DRYCLEANERS	Lower	733, 0.139, ESE
89	HUGHES AIRCRAFT CO/	1925 MAPLE ST E	CA LUST, CA HIST CORTESE, CA CERS	Lower	826, 0.156, ENE
O90	ZIEGLER, KEN	1625 E. MAPLE AVENUE	RCRA NonGen / NLR	Higher	830, 0.157, NW
O91	ZIEGLER, KEN	1625 E. MAPLE AVENUE	RCRA NonGen / NLR	Higher	830, 0.157, NW
N92	KILROY INDUSTRIES	2031 E. MARIPOSA AVE	CA UST	Lower	845, 0.160, ESE
N93	NORTHROP CORP-AIRCRA	2031 E MARIPOSA AVE	CA ENVIROSTOR	Lower	845, 0.160, ESE
N94	MATTEL TOYS INC	2031 MARIPOSA	RCRA-LQG, CA CERS HAZ WASTE, FINDS, ECHO, CA HWP,..	Lower	845, 0.160, ESE
N95	NORTHROP CORP AIRCRA	2031 E MARIPOSA AVE	RCRA-TSDF, RCRA NonGen / NLR, FINDS, ECHO	Lower	845, 0.160, ESE
P96	RALPHS GROCERY #645	500 N SEPULVEDA BLVD	RCRA NonGen / NLR	Higher	864, 0.164, South
P97	RALPHS GROCERY #645	500 N. SEPULVEDA BLV	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Higher	864, 0.164, South
Q98	HUGHES AIRCRAFT CO R	2030 E. MAPLE ST.	NY MANIFEST	Lower	901, 0.171, ENE
Q99	HUGHES AIRCRAFT CO R	2030 E MAPLE AVE	CA SWEEPS UST, CA HIST UST, CA NPDES, CA CIWQS	Lower	901, 0.171, ENE
Q100	RAYTHEON COMPANY	2030 MAPLE AVENUE	SEMS-ARCHIVE, RCRA-TSDF, RCRA-LQG	Lower	901, 0.171, ENE
Q101	HUGHES AIRCRAFT COMP	2030 E. MAPLE AVENUE	CA UST	Lower	901, 0.171, ENE
Q102	RAYTHEON CO	2030 MAPLE AVENUE	CA ENVIROSTOR, CA HWP, CA CERS	Lower	901, 0.171, ENE
Q103	MATTEL MAPLE BUILDIN	2031-2041 E MAPLE AV	CA CERS HAZ WASTE, CA CERS	Lower	1030, 0.195, ENE
R104	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	RCRA-SQG, FINDS, ECHO	Higher	1074, 0.203, SE
R105	TELEDYNE CONTROLS LL	501 CONTINENTAL BLVD	CA CERS HAZ WASTE, CA EMI, CA HAZNET, CA NPDES, CA..	Higher	1074, 0.203, SE
S106	NWRIP DOD #26		CA ENVIROSTOR	Higher	1178, 0.223, NNW
S107	EL SEGUNDO STORAGE A		CA ENVIROSTOR	Higher	1178, 0.223, NNW
S108	EL SEGUNDO STORAGE A		FUDS	Higher	1183, 0.224, NNW
S109	HUGHES SPACE AND COM	900 SEPULVEDA BLVD N	CA LUST, CA CPS-SLIC, CA CERS	Higher	1211, 0.229, North
S110	HUGHES SPACE & COMMU	900 SEPULVEDA	CA CPS-SLIC	Higher	1211, 0.229, North
T111	COSMETIX WEST - MARI	2041 E MARIPOSA AVE	CA CERS HAZ WASTE, CA CERS	Lower	1228, 0.233, ESE
T112	COSMETIX WEST	2041 E MARIPOSA AVE	RCRA NonGen / NLR	Lower	1228, 0.233, ESE
T113	NORTHROP CORP/AIRCRA	2043 E MARIPOSA AVE	CA ENVIROSTOR	Lower	1275, 0.241, ESE
T114	NORTHROP CORP AIRCRA	2043 E MARIPOSA AVEN	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA NonGen /..	Lower	1275, 0.241, ESE
T115	NORTHROP GRUMMAN MAS	2043 E. MARIPOSA AVE	CA UST	Lower	1275, 0.241, ESE
T116	TRW INC	2045 E MARIPOSA	RCRA NonGen / NLR, FINDS, ECHO	Lower	1289, 0.244, ESE
U117	HUGHES AIRCRAFT CO S	930 N SELBY ST	CA SWEEPS UST, CA LOS ANGELES CO. HMS	Lower	1292, 0.245, NNE

MAPPED SITES SUMMARY

Target Property Address:
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
U118	HUGHES SPACE & COMMU	930 N. SELBY STREET	CA UST	Lower	1292, 0.245, NNE
T119	BOEING SATELITE SYST	2040 E MARIPOSA AVE	CA CERS HAZ WASTE, CA HAZNET, CA CERS	Lower	1297, 0.246, ESE
T120	CHAN SOON SHIONG INS	2040 E MARIPOSA AVE	RCRA NonGen / NLR	Lower	1297, 0.246, ESE
V121	THE BOEING COMPANY	1920 E IMPERIAL HWY	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Lower	1626, 0.308, NNE
V122	BOEING SATELLITE SYS	1920 E IMPERIAL HWY	CA ENVIROSTOR, CA DEED	Lower	1626, 0.308, NNE
123	JIM & JACK AUTO BODY	307 SEPULVEDA BLVD N	CA LUST, CA HIST CORTESE, CA CERS	Lower	1634, 0.309, South
124	RAYTHEON COMPANY SAS	2000 E. IMPERIAL HIG	RCRA-LQG, CA LUST, CA SWEEPS UST, CA HIST UST,...	Lower	1825, 0.346, NE
W125	GLOBAL SOLUTIONS	1955 GRAND AVE	CA LUST, CA CERS	Higher	1855, 0.351, SSE
W126	MATTEL INC	1955 E GRAND AVE	RCRA-SQG, CA LUST, FINDS, ECHO, CA EMI, CA HIST...	Higher	1855, 0.351, SSE
127	HILTON GARDEN INN	MARIPOSA AVENUE AND	CA ENVIROSTOR, CA VCP	Lower	1922, 0.364, ESE
128	INERNATIONAL RECTIFI	1521 GRAND AVE	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SWEEPS UST, CA...	Higher	1925, 0.365, SSW
X129	HUGHES BLDG R-18/S-4	2030 IMPERIAL HWY E	CA LUST, CA HIST CORTESE, CA CERS	Lower	1989, 0.377, NNE
Y130	CITY OF EL SEGUNDO	150 ILLINOIS ST	CA LUST, CA SWEEPS UST	Lower	1994, 0.378, SSW
Y131	BERGAN BRUNSWICK	150 ILLINOIS	CA LUST, CA CHMIRS, CA HIST CORTESE, CA CERS	Lower	1994, 0.378, SSW
132	HUGHES AIRCRAFT CO C	1990 GRAND AVE E	CA LUST, CA SWEEPS UST, CA HIST CORTESE, CA CERS	Higher	2092, 0.396, SSE
Z133	GARRETT AIRESEARCH	6201 IMPERIAL	CA HIST CORTESE	Lower	2151, 0.407, North
Z134	GARRETT AVIATION SVC	6201 W. IMPERIAL HIG	CA ENVIROSTOR, CA CERS HAZ WASTE, CA CERS TANKS,..	Lower	2151, 0.407, North
Z135	GARRETT AIRESEARCH	6201 IMPERIAL HWY E	CA LUST, CA CERS	Lower	2151, 0.407, North
X136	KOREAN AIRLINES FREI	6101 IMPERIAL HWY E	CA LUST, CA CPS-SLIC, CA CERS	Lower	2165, 0.410, NNE
X137	KOREAN AIRLINES FREI	6101 IMPERIAL	CA HIST CORTESE	Lower	2165, 0.410, NNE
X138	KOREAN AIR CARGO TER	6101 WEST IMPERIAL H	CA CPS-SLIC, CA HIST UST, CA CERS	Lower	2165, 0.410, NNE
X139	LAX - KOREAN AIRLINE	6101 IMPERIAL	CA CPS-SLIC	Lower	2165, 0.410, NNE
AA140	UNITED AIRLINES FLIG	444 NASH ST	CA LUST, CA SWEEPS UST, CA EMI, CA HIST CORTESE,...	Lower	2239, 0.424, ESE
AA141	UNITED AIRLINE FLIGH	444 NASH ST	CA LUST	Lower	2239, 0.424, ESE
AB142	PILLACK PROPERTY	1410 GRAND AVE	CA LUST, CA CERS	Higher	2549, 0.483, SW
AB143	PILLACK PROPERTY	1410 GRAND	CA HIST CORTESE	Higher	2549, 0.483, SW
AC144	INTERNATIONAL RECTIF	233 KANSAS ST	CA ENVIROSTOR, CA LUST, CA CPS-SLIC, CA HIST...	Higher	2606, 0.494, SSW
AC145	INTERNATIONAL RECTIF	233 KANSAS	CA CPS-SLIC	Higher	2606, 0.494, SSW
AB146	INFINEON PROPERTIES	270 CALIFORNIA, 1413	CA ENVIROSTOR, CA VCP	Higher	2607, 0.494, SW
147	FORMER NORTH AMERICA	400 DULEY ROAD	CA ENVIROSTOR, CA VCP, CA NPDES, CA CIWQS	Lower	2757, 0.522, ESE
148	NORTH AMERICAN AIRCR		CA ENVIROSTOR	Lower	2788, 0.528, NE
149	1330 EAST FRANKLIN A	1330 EAST FRANKLIN A	CA ENVIROSTOR, CA VCP	Higher	3150, 0.597, SW
AD150	SPERRY GYROSCOPE COR		FUDS	Lower	3184, 0.603, NE
AD151	SPERRY GYROSCOPE COR		CA ENVIROSTOR	Lower	3195, 0.605, NE
AE152	WISEBURN HIGH SCHOOL	827 NORTH DOUGLAS ST	CA ENVIROSTOR, CA CPS-SLIC, CA SCH, CA HIST...	Lower	3211, 0.608, East
AE153	ROCKWELL INTL CORP E	827 N DOUGLAS ST	CORRACTS, RCRA-TSDF, RCRA-SQG, PADS, NY MANIFEST	Lower	3211, 0.608, East
AE154	ROCKWELL INT'L CORP/	827 N DOUGLAS	CA ENVIROSTOR, CA HWP	Lower	3211, 0.608, East
AF155	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA SWEEPS UST, CA CHMIRS, CA HAZNET, CA ICE, CA...	Higher	3238, 0.613, SSE
AF156	RAYTHEON SPACE AND A	2000 E EL SEGUNDO BL	CA ENVIROSTOR, CA CHMIRS, CA NPDES, CA CIWQS, CA...	Higher	3238, 0.613, SSE

MAPPED SITES SUMMARY

Target Property Address:
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AF157	RAYTHEON SPACE AND A	2000 E. EL SEGUNDO B	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, US...	Higher	3238, 0.613, SSE
158	RADIANT SERVICES	200 NEVADA STREET	CA ENVIROSTOR, CA VCP	Lower	3252, 0.616, SW
159	134 CENTER STREET	134 CENTER STREET	CA ENVIROSTOR, CA VCP	Lower	3690, 0.699, SW
160	ALLIED SALES & SALVA	160 SEPULVEDA	CA ENVIROSTOR, CA HIST CORTESE	Lower	3722, 0.705, South
AG161	201 N. DOUGLAS PROPE	201 N. DOUGLAS STREE	CA ENVIROSTOR, CA SCH	Lower	3852, 0.730, SE
AG162	FORT MCARTHUR	200 NORTH DOUGLAS ST	CA BOND EXP. PLAN	Lower	3877, 0.734, SE
163	NORTHROP GRUMMAN COR	800 NO DOUGLAS	CA ENVIROSTOR	Lower	4076, 0.772, East
164	BLDG. 902	500 N DOUGLAS ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG, ICIS,	Lower	4281, 0.811, East
165	AFP #9		CA ENVIROSTOR	Lower	4337, 0.821, NE
166	WEST COMPLEX FACILIT	1 HORNET WAY	CA HWP, CA NPDES, CA WDS, CA CIWQS, CA CERS	Lower	4981, 0.943, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
THE BOEING CO 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAR000071167	N/A
DEVLIN PHARMACEUTICA 700 N SEPULVEDA BLVD EL SEGUNDO, CA 90245	SEMS-ARCHIVE Site ID: 0902293 EPA Id: CAD981373848	CAD981373848
ALLIEDSIGNAL 650 S. SEPULVEDA BLV EL SEGUNDO, CA	CA UST Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks	N/A
THE BOEING COMPANY 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	RCRA-LQG EPA ID:: CAR000071167	CAR000071167
SOUTHERN CALIFORNIA 650 N SEPULVEDA BLVD EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAC002647412	N/A
BOEING SATELLITE SYS 700 N. SEPULVEDA BLV EL SEGUNDO, CA 90245	CA AST Database: AST, Date of Government Version: 07/06/2016	N/A
THE BOEING COMPANY 650-700 N SEPULVEDA EL SEGUNDO, CA 90245	FINDS Registry ID:: 110054820841 ECHO Registry ID: 110054820841	N/A
EL SEGUNDO 650 SEPULVEDA BOULEV EL SEGUNDO, CA 90245	ICIS FRS ID:: 110028067080 FINDS Registry ID:: 110028067080 ECHO Registry ID: 110028067080	N/A
DEVLIN PHARMACEUTICA 700 NORTH SEPULVEDA EL SEGUNDO, CA 90245	CA ENVIROSTOR	N/A

	Status: No Further Action Facility Id: 19280313	
BOEING SATELLITE SYS 700 N. SEPULVEDA BLV EL SEGUNDO, CA 90245	FINDS Registry ID:: 110065048353	N/A
HUGHES SPACE & COMMU 650 - 700 N. SEPULVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAL000121434	N/A
ALLIED CORP 650 S SEPULVEDA BLVD EL SEGUNDO, CA 90245	CA SWEEPS UST Status: A Comp Number: 12321 CA LOS ANGELES CO. HMS Facility ID: 012202-012321	N/A
AERO SPACE CTR 650 N SEPULVEDA AVE EL SEGUNDO, CA 90245	CA HAZNET GEPAID: CAX000210559	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

SEMS Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List

Federal ERNS list

ERNS Emergency Response Notification System

State- and tribal - equivalent NPL

CA RESPONSE State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT Waste Management Unit Database
CA SWRCY Recycler Database
CA HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

CA AOCONCERN Key Areas of Concerns in Los Angeles County

US HIST CDL - Delisted National Clandestine Laboratory Register
CA HIST Cal-Sites - Historical Calsites Database
CA CDL - Clandestine Drug Labs
CA Toxic Pits - Toxic Pits Cleanup Act Sites
US CDL - National Clandestine Laboratory Register
CA PFAS - PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST - Facility Inventory Database

Local Land Records

CA LIENS - Environmental Liens Listing
LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
CA LDS - Land Disposal Sites Listing
CA MCS - Military Cleanup Sites Listing
CA SPILLS 90 - SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD - Department of Defense Sites
SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST - EPA WATCH LIST
TSCA - Toxic Substances Control Act
TRIS - Toxic Chemical Release Inventory System
SSTS - Section 7 Tracking Systems
ROD - Records Of Decision
RMP - Risk Management Plans
RAATS - RCRA Administrative Action Tracking System
PRP - Potentially Responsible Parties
FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS - Material Licensing Tracking System
COAL ASH DOE - Steam-Electric Plant Operation Data
COAL ASH EPA - Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER - PCB Transformer Registration Database
RADINFO - Radiation Information Database
HIST FTTS - FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS - Incident and Accident Data
CONSENT - Superfund (CERCLA) Consent Decrees
INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA Cortese - "Cortese" Hazardous Waste & Substances Sites List

EXECUTIVE SUMMARY

CA CUPA Listings - CUPA Resources List
CA ENF - Enforcement Action Listing
CA Financial Assurance - Financial Assurance Information Listing
CA HWT - Registered Hazardous Waste Transporter Database
CA MINES - Mines Site Location Listing
CA MWMP - Medical Waste Management Program Listing
CA PEST LIC - Pesticide Regulation Licenses Listing
CA PROC - Certified Processors Database
CA Notify 65 - Proposition 65 Records
CA UIC - UIC Listing
CA UIC GEO - UIC GEO (GEOTRACKER)
CA WASTEWATER PITS - Oil Wastewater Pits Listing
CA WIP - Well Investigation Program Case List
CA MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
CA PROJECT - PROJECT (GEOTRACKER)
CA WDR - Waste Discharge Requirements Listing
CA NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
CA OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
CA PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
CA SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
CA WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
CA LOS ANGELES CO LF METHANE - Methane Producing Landfills
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF - Recovered Government Archive Solid Waste Facilities List
CA RGA LUST - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/19/2019 has revealed that there are 4 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INERNATIONAL RECTIFI	***1521 GRAND AVE***	***SSW 1/4 - 1/2 (0.365 mi.)***	***128***	***430***
Site ID: 0905276				
EPA Id: CAD076208313				

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON COMPANY	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q100***	***254***
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/8 - 1/4 (0.241 mi.)***	***T114***	***317***
Site ID: 0900299				
EPA Id: CAD000627216				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V121***	***336***
Site ID: 0903305				
EPA Id: CAD060897063				

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/24/2019 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E. EL SEGUNDO B***	***SSE 1/2 - 1 (0.613 mi.)***	***AF157***	***576***
EPA ID:: CAD000633230				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/8 - 1/4 (0.241 mi.)***	***T114***	***317***

EPA ID:: CAD000627216				
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V121***	***336***
ROCKWELL INTL CORP E EPA ID:: CAD097855126	***827 N DOUGLAS ST***	***E 1/2 - 1 (0.608 mi.)***	***AE153***	***522***
BLDG. 902 EPA ID:: CAD000627273	***500 N DOUGLAS ST***	***E 1/2 - 1 (0.811 mi.)***	***164***	***646***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/24/2019 has revealed that there are 4 RCRA-TSDF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP AIRCRA EPA ID:: CAD009687336	***2031 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.160 mi.)***	***N95***	***233***
RAYTHEON COMPANY EPA ID:: CAT080010853	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q100***	***254***
NORTHROP CORP AIRCRA EPA ID:: CAD000627216	***2043 E MARIPOSA AVEN***	***ESE 1/8 - 1/4 (0.241 mi.)***	***T114***	***317***
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V121***	***336***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/24/2019 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING CO EPA ID:: CAR000071589	601-603 LAIRPORT ST	SE 0 - 1/8 (0.056 mi.)	H53	125
LG NANOH2O	750 LAIRPORT	E 0 - 1/8 (0.073 mi.)	J71	174

EPA ID:: CAL000348691

MATTEL TOYS INC	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.160 mi.)***	***N94***	***210***
EPA ID:: CAD982433401				
RAYTHEON COMPANY	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q100***	***254***
EPA ID:: CAT080010853				

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/24/2019 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI CLEANERS	***630 N SEPULVEDA***	***SSW 0 - 1/8 (0.019 mi.)***	***B18***	***30***
EPA ID:: CAD983634742				
LAX PHOTO LAB	***630 N SEPULVEDA UNIT***	***SSW 0 - 1/8 (0.019 mi.)***	***B20***	***34***
EPA ID:: CAD983634171				
TELEDYNE CONTROLS LL	***501 CONTINENTAL BLVD***	***SE 1/8 - 1/4 (0.203 mi.)***	***R104***	***281***
EPA ID:: CAD981407216				

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINIX LLC	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C63***	***154***
EPA ID:: CAD981398209				
COOKS COLLISION OF E	***760 LAIRPORT ST***	***E 0 - 1/8 (0.078 mi.)***	***J74***	***186***
EPA ID:: CA0001037894				
FRITO LAY INC EL SEG	1924 EAST MAPLE	ENE 0 - 1/8 (0.098 mi.)	K77	191
EPA ID:: CAD981661572				
ULTRA COLOR INC	***1926 EAST MAPLE***	***ENE 0 - 1/8 (0.123 mi.)***	***K84***	***198***
EPA ID:: CAD059215616				

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
A100 US, LLC-LAX 51	1920 E MAPLE AVE	NE 0 - 1/8 (0.061 mi.)	C59	144
EPA ID:: CAR000275388				

Federal institutional controls / engineering controls registries

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 08/19/2019 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING COMPANY EPA ID:: CAD060897063	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V121***	***336***

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 07/29/2019 has revealed that there are 24 CA ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT/GILB Status: No Further Action Facility Id: 19370368	***800 N. SEPULVEDA BLV***	***NNW 0 - 1/8 (0.105 mi.)***	***L79***	***193***
NWRIP DOD #26 Status: Inactive - Needs Evaluation Facility Id: 80000638		NNW 1/8 - 1/4 (0.223 mi.)	S106	305
EL SEGUNDO STORAGE A Status: Inactive - Needs Evaluation Facility Id: 80000076		NNW 1/8 - 1/4 (0.223 mi.)	S107	306
INTERNATIONAL RECTIF Status: Refer: RWQCB Facility Id: 19360533	***233 KANSAS ST***	***SSW 1/4 - 1/2 (0.494 mi.)***	***AC144***	***483***
INFINEON PROPERTIES Status: Active Facility Id: 60002691	***270 CALIFORNIA, 1413***	***SW 1/4 - 1/2 (0.494 mi.)***	***AB146***	***491***
1330 EAST FRANKLIN A Status: Active Facility Id: 60002376	***1330 EAST FRANKLIN A***	***SW 1/2 - 1 (0.597 mi.)***	***149***	***509***
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***SSE 1/2 - 1 (0.613 mi.)***	***AF156***	***562***

Status: Active
Facility Id: 80001335

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP CORP-AIRCRA Status: No Action Required Facility Id: 80001646	2031 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.160 mi.)	N93	209
RAYTHEON CO Status: Active Facility Id: 60001344	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q102***	***272***
NORTHROP CORP/AIRCRA Status: No Action Required Facility Id: 80001309	2043 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.241 mi.)	T113	316
BOEING SATELLITE SYS Status: Active Facility Id: 80001440	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V122***	***394***
HILTON GARDEN INN Status: No Further Action Facility Id: 19130106	***MARIPOSA AVENUE AND***	***ESE 1/4 - 1/2 (0.364 mi.)***	***127***	***428***
GARRETT AVIATION SVC Status: Refer: Other Agency Facility Id: 71003574	***6201 W. IMPERIAL HIG***	***N 1/4 - 1/2 (0.407 mi.)***	***Z134***	***456***
FORMER NORTH AMERICA Status: No Further Action Facility Id: 60000905	***400 DULEY ROAD***	***ESE 1/2 - 1 (0.522 mi.)***	***147***	***494***
NORTH AMERICAN AIRCR Status: Inactive - Needs Evaluation Facility Id: 80000838 Facility Id: 80000839		NE 1/2 - 1 (0.528 mi.)	148	507
SPERRY GYROSCOPE COR Status: Inactive - Needs Evaluation Facility Id: 80000842		NE 1/2 - 1 (0.605 mi.)	AD151	517
WISEBURN HIGH SCHOOL Status: Inactive - Needs Evaluation Facility Id: 60001621	***827 NORTH DOUGLAS ST***	***E 1/2 - 1 (0.608 mi.)***	***AE152***	***518***
ROCKWELL INT'L CORP/ Status: No Further Action Facility Id: 80001734	***827 N DOUGLAS***	***E 1/2 - 1 (0.608 mi.)***	***AE154***	***530***
RADIANT SERVICES Status: Active Facility Id: 19130119	***200 NEVADA STREET***	***SW 1/2 - 1 (0.616 mi.)***	***158***	***623***
134 CENTER STREET Status: Active Facility Id: 60002642	***134 CENTER STREET***	***SW 1/2 - 1 (0.699 mi.)***	***159***	***627***
ALLIED SALES & SALVA Status: Refer: Other Agency Facility Id: 19500011	***160 SEPULVEDA***	***S 1/2 - 1 (0.705 mi.)***	***160***	***630***
201 N. DOUGLAS PROPE Status: Active	***201 N. DOUGLAS STREE***	***SE 1/2 - 1 (0.730 mi.)***	***AG161***	***632***

Facility Id: 60001802				
NORTHROP GRUMMAN COR Status: Active Facility Id: 80001311	800 NO DOUGLAS	E 1/2 - 1 (0.772 mi.)	163	645
AFP #9 Status: Inactive - Needs Evaluation Facility Id: 80000131		NE 1/2 - 1 (0.821 mi.)	165	708

State and tribal leaking storage tank lists

CA LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA LUST list, as provided by EDR, has revealed that there are 22 CA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5866 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/09/2019 Status: Completed - Case Closed Facility Id: I-09969 Status: Case Closed Global Id: T0603703539 Global ID: T0603703539	***603 SEPULVEDA BLVD N***	***SSW 0 - 1/8 (0.025 mi.)***	***B21***	***36***
UNOCAL #4613 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/09/2019 Status: Completed - Case Closed Facility Id: I-09970 Status: Case Closed Global Id: T0603792957 Global ID: T0603792957	***770 SEPULVEDA BLVD N***	***NNW 0 - 1/8 (0.048 mi.)***	***E45***	***88***
HUGHES SPACE AND COM Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-11139 Status: Pollution Characterization Global ID: T0603705022	***900 SEPULVEDA BLVD N***	***N 1/8 - 1/4 (0.229 mi.)***	***S109***	***308***
GLOBAL SOLUTIONS Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 902450089 Status: Case Closed Global ID: T0603701269	***1955 GRAND AVE***	***SSE 1/4 - 1/2 (0.351 mi.)***	***W125***	***416***
MATTEL INC Database: LUST, Date of Government Version: 09/09/2019 Status: Completed - Case Closed Global Id: T0603701269	***1955 E GRAND AVE***	***SSE 1/4 - 1/2 (0.351 mi.)***	***W126***	***417***
INERNATIONAL RECTIFI Database: LUST REG 4, Date of Government Version: 09/07/2004	***1521 GRAND AVE***	***SSW 1/4 - 1/2 (0.365 mi.)***	***128***	***430***

Facility Id: 908130489
Status: Remedial action (cleanup) Underway
Global ID: T0603701959

HUGHES AIRCRAFT CO C ***1990 GRAND AVE E*** ***SSE 1/4 - 1/2 (0.396 mi.)*** ***132*** ***453***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: R-13532
Status: Case Closed
Global Id: T0603705198
Global ID: T0603705198

PILLACK PROPERTY ***1410 GRAND AVE*** ***SW 1/4 - 1/2 (0.483 mi.)*** ***AB142*** ***480***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: I-14091
Status: Case Closed
Global Id: T0603704135
Global ID: T0603704135

INTERNATIONAL RECTIF ***233 KANSAS ST*** ***SSW 1/4 - 1/2 (0.494 mi.)*** ***AC144*** ***483***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-15781
Status: Preliminary site assessment underway
Global ID: T0603704349

Lower Elevation	Address	Direction / Distance	Map ID	Page

HUGHES AIRCRAFT-EDSG ***1920 MAPLE ST E*** ***ENE 0 - 1/8 (0.032 mi.)*** ***C22*** ***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: R-10916
Status: Case Closed
Global Id: T0603704975
Global ID: T0603704975

EQUINIX COMMUNICATIO ***1920 MAPLE AVE E*** ***NE 0 - 1/8 (0.061 mi.)*** ***C62*** ***151***
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Global Id: T10000010173

BLACKMORE ASSOCIATES ***700 LAIRPORT ST*** ***E 0 - 1/8 (0.063 mi.)*** ***F66*** ***159***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: R-11949
Status: Leak being confirmed
Global Id: T0603705083
Global ID: T0603705083

HUGHES AIRCRAFT CO/ ***1925 MAPLE ST E*** ***ENE 1/8 - 1/4 (0.156 mi.)*** ***89*** ***204***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: R-13531
Status: Case Closed

Global Id: T0603705197
Global ID: T0603705197

JIM & JACK AUTO BODY ***307 SEPULVEDA BLVD N*** ***S 1/4 - 1/2 (0.309 mi.)*** ***123*** ***400***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: I-13092
Status: Case Closed
Global Id: T0603704033
Global ID: T0603704033

RAYTHEON COMPANY SAS ***2000 E. IMPERIAL HIG*** ***NE 1/4 - 1/2 (0.346 mi.)*** ***124*** ***403***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: I-12326
Status: Case Closed
Global Id: T0603703959
Global ID: T0603703959

HUGHES BLDG R-18/S-4 ***2030 IMPERIAL HWY E*** ***NNE 1/4 - 1/2 (0.377 mi.)*** ***X129*** ***443***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 902450061
Status: Case Closed
Global Id: T0603701267
Global ID: T0603701267

CITY OF EL SEGUNDO ***150 ILLINOIS ST*** ***SSW 1/4 - 1/2 (0.378 mi.)*** ***Y130*** ***446***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: R-20565
Status: Leak being confirmed
Global ID: T0603705310

BERGAN BRUNSWICK ***150 ILLINOIS*** ***SSW 1/4 - 1/2 (0.378 mi.)*** ***Y131*** ***450***
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Global Id: T0603705310

GARRETT AIRESEARCH ***6201 IMPERIAL HWY E*** ***N 1/4 - 1/2 (0.407 mi.)*** ***Z135*** ***466***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Facility Id: 900450570
Status: Case Closed
Global Id: T0603701073
Global ID: T0603701073

KOREAN AIRLINES FREI ***6101 IMPERIAL HWY E*** ***NNE 1/4 - 1/2 (0.410 mi.)*** ***X136*** ***469***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900450561
Status: Leak being confirmed
Global ID: T0603701072

UNITED AIRLINES FLIG ***444 NASH ST*** ***ESE 1/4 - 1/2 (0.424 mi.)*** ***AA140*** ***473***
Database: LUST, Date of Government Version: 09/09/2019
Status: Completed - Case Closed
Global Id: T0603704019

UNITED AIRLINE FLIGH 444 NASH ST ESE 1/4 - 1/2 (0.424 mi.) AA141 479
Database: LUST REG 4, Date of Government Version: 09/07/2004

Facility Id: I-12973
Status: Case Closed
Global ID: T0603704019

CA CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 7 CA CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES SPACE AND COM	***900 SEPULVEDA BLVD N***	***N 1/8 - 1/4 (0.229 mi.)***	***S109***	***308***
Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Inactive Global Id: SLT4L9441895				
HUGHES SPACE & COMMU	900 SEPULVEDA	N 1/8 - 1/4 (0.229 mi.)	S110	310
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Inactive				
INTERNATIONAL RECTIF	***233 KANSAS ST***	***SSW 1/4 - 1/2 (0.494 mi.)***	***AC144***	***483***
Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Completed - Case Closed Global Id: SL184571440				
INTERNATIONAL RECTIF	233 KANSAS	SSW 1/4 - 1/2 (0.494 mi.)	AC145	491
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				

Lower Elevation	Address	Direction / Distance	Map ID	Page
KOREAN AIRLINES FREI	***6101 IMPERIAL HWY E***	***NNE 1/4 - 1/2 (0.410 mi.)***	***X136***	***469***
Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Inactive Global Id: T0603701072				
KOREAN AIR CARGO TER	***6101 WEST IMPERIAL H***	***NNE 1/4 - 1/2 (0.410 mi.)***	***X138***	***471***
Database: CPS-SLIC, Date of Government Version: 09/09/2019 Facility Status: Open - Inactive Global Id: SL0603769898				
LAX - KOREAN AIRLINE	6101 IMPERIAL	NNE 1/4 - 1/2 (0.410 mi.)	X139	472
Database: SLIC REG 4, Date of Government Version: 11/17/2004				

State and tribal registered storage tank lists

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, has revealed that there are 17 CA UST sites within

approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SEGUNDO ASSOCIATES Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks	600 N. SEPULVEDA BLV	SSW 0 - 1/8 (0.033 mi.)	D24	42
MOTTA BROTHERS Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Remediation Tanks	763 N. SEPULVEDA BL.	NW 0 - 1/8 (0.038 mi.)	E29	45
CIRCLE K STORES INC. Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 09/09/2019 Facility Id: 300121 Permit Number: 30-0121 Tank Status: Closed Tanks Tank Status: Open Tanks Tank Status: Change of Information	765 N SEPULVEDA BLVD	NW 0 - 1/8 (0.040 mi.)	E32	61
AIRPORT 5 STAR Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 09/09/2019 Facility Id: 300140 Permit Number: 30-0140 Tank Status: Closed Tanks Tank Status: Open Tanks Tank Status: Change of Information Tank Status: UST Removal	603 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.047 mi.)	D36	65
BOB'S UNION 76 Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Permit Number: 30-0017 Tank Status: Open Tanks	770 N. SEPULVEDA BLV	NNW 0 - 1/8 (0.048 mi.)	E41	85
TOSCO CORPORATION, S Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 09/09/2019 Facility Id: 300017 Permit Number: 30-0017 Tank Status: Closed Tanks Tank Status: Change of Information	770 N.SEPULVEDA BL.	NNW 0 - 1/8 (0.048 mi.)	E46	93
HUGHES SPACE & COMMU Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Closed Tanks	800 N. SEPULVEDA BL.	NNW 0 - 1/8 (0.105 mi.)	L78	192
OVERTON MOORE & ASSO Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Remediation Tanks	541 N. SEPULVEDA BL.	SSW 0 - 1/8 (0.116 mi.)	M83	197

Lower Elevation	Address	Direction / Distance	Map ID	Page
POPKLIN REALTY Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Tank Status: Remediation Tanks	607 LAIRPORT STREET	ESE 0 - 1/8 (0.038 mi.)	F26	44
EQUINIX LLC Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017 Database: UST, Date of Government Version: 09/09/2019	1920 E MAPLE AVE	NE 0 - 1/8 (0.061 mi.)	C60	147

Permit Number: 30-0394
Permit Number: 30-0310
Tank Status: Closed Tanks
Tank Status: Open Tanks
Tank Status: New Permit

BLACKMORE & ASSOCIAT — 700 LAIRPORT STREET — E 0 - 1/8 (0.063 mi.) — F65 — 158
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

RAYTHEON SYSTEMS COM — 1921 E. MARIPOSA AVE — SSE 0 - 1/8 (0.068 mi.) — I69 — 172
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Database: UST, Date of Government Version: 09/09/2019
Facility Id: 300122
Permit Number: 30-0122
Tank Status: Closed Tanks
Tank Status: UST Removal

HUGHES SPACE & COMMU — 1925 E. MAPLE AVENUE — ENE 1/8 - 1/4 (0.138 mi.) — K87 — 202
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

KILROY INDUSTRIES — 2031 E. MARIPOSA AVE — ESE 1/8 - 1/4 (0.160 mi.) — N92 — 209
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Remediation Tanks

HUGHES AIRCRAFT COMP — 2030 E. MAPLE AVENUE — ENE 1/8 - 1/4 (0.171 mi.) — Q101 — 272
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

NORTHROP GRUMMAN MAS — 2043 E. MARIPOSA AVE — ESE 1/8 - 1/4 (0.241 mi.) — T115 — 328
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

HUGHES SPACE & COMMU — 930 N. SELBY STREET — NNE 1/8 - 1/4 (0.245 mi.) — U118 — 331
Database: EL SEGUNDO UST, Date of Government Version: 01/21/2017
Tank Status: Closed Tanks

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there are 2 CA AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINIX LLC	1920 E MAPLE AVE	NE 0 - 1/8 (0.061 mi.)	C55	140
Database: AST, Date of Government Version: 07/06/2016				
EQUINIX OPERATING CE	1920 E. MAPLE AVENUE	NE 0 - 1/8 (0.061 mi.)	C56	141
Database: AST, Date of Government Version: 07/06/2016				

State and tribal voluntary cleanup sites

CA VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the CA VCP list, as provided by EDR, and dated 07/29/2019 has revealed that there are 3

CA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT/GILB	***800 N. SEPULVEDA BLV***	***NNW 0 - 1/8 (0.105 mi.)***	***L79***	***193***
Status: No Further Action				
Facility Id: 19370368				
INFINEON PROPERTIES	***270 CALIFORNIA, 1413***	***SW 1/4 - 1/2 (0.494 mi.)***	***AB146***	***491***
Status: Active				
Facility Id: 60002691				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HILTON GARDEN INN	***MARIPOSA AVENUE AND***	***ESE 1/4 - 1/2 (0.364 mi.)***	***127***	***428***
Status: No Further Action				
Facility Id: 19130106				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CA CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CA CERS HAZ WASTE list, as provided by EDR, and dated 08/14/2019 has revealed that there are 15 CA CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING COMPANY -	***650 N. PACIFIC COAST***	***0 - 1/8 (0.000 mi.)***	***A14***	***24***
CIRCLE K STORE #2709	***765 N SEPULVEDA BLVD***	***NW 0 - 1/8 (0.040 mi.)***	***E30***	***46***
UNION OIL 4613	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***E47***	***94***
MARSHALL ELECTRONICS	***1910 E MAPLE AVE***	***NNE 0 - 1/8 (0.053 mi.)***	***G48***	***106***
RALPHS GROCERY #645	***500 N. SEPULVEDA BLV***	***S 1/8 - 1/4 (0.164 mi.)***	***P97***	***239***
TELEDYNE CONTROLS LL	***501 CONTINENTAL BLVD***	***SE 1/8 - 1/4 (0.203 mi.)***	***R105***	***286***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRIO MANUFACTURING I	***601 LAIRPORT ST***	***SE 0 - 1/8 (0.056 mi.)***	***H52***	***113***
EQUINIX LLC	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C54***	***128***
BLACKMORE ASSOCIATES	***700 LAIRPORT ST***	***E 0 - 1/8 (0.063 mi.)***	***F66***	***159***
XPO LOGISTICS SUPPLY	***1921 EAST MARIPOSA A***	***SSE 0 - 1/8 (0.068 mi.)***	***I67***	***165***
L A X AUTOBODY	***760 LAIRPORT ST***	***E 0 - 1/8 (0.078 mi.)***	***J72***	***178***
MATTEL TOYS INC	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.160 mi.)***	***N94***	***210***
MATTEL MAPLE BUILDIN	***2031-2041 E MAPLE AV***	***ENE 1/8 - 1/4 (0.195 mi.)***	***Q103***	***276***
COSMETIX WEST - MARI	***2041 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.233 mi.)***	***T111***	***310***
BOEING SATELITE SYST	***2040 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.246 mi.)***	***T119***	***331***

Local Lists of Registered Storage Tanks

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 13 CA SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO S	***690 N SEPULVEDA BLVD***	***SW 0 - 1/8 (0.002 mi.)***	***B15***	***28***
Status: A				
Comp Number: 10342				
MOBIL OIL CO	***765 N SEPULVEDA BLVD***	***NW 0 - 1/8 (0.040 mi.)***	***E31***	***59***
Status: A				
Tank Status: A				
Comp Number: 9747				
SERVICE STATION 5866	***603 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.047 mi.)***	***D38***	***79***
Comp Number: 9969				
UNOCAL #4613	***770 SEPULVEDA BLVD N***	***NNW 0 - 1/8 (0.048 mi.)***	***E45***	***88***
Status: A				
Tank Status: A				
Comp Number: 9970				
HUGHES AIRCRAFT CO S	***800 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.105 mi.)***	***L80***	***195***
Comp Number: 13533				
OVERTON MOORE & ASSO	***540 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.106 mi.)***	***M82***	***197***
Status: A				
Comp Number: 9105				

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO	***607 LAIRPORT ST***	***ESE 0 - 1/8 (0.038 mi.)***	***F27***	***44***
Status: A				
Comp Number: 10262				
HUGHES AIRCRAFT CO E	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C57***	***142***
Status: A				
Tank Status: A				
Comp Number: 10916				
BLACKMORE ASSOCIATES	***700 LAIRPORT ST***	***E 0 - 1/8 (0.063 mi.)***	***F66***	***159***
Status: A				
Comp Number: 11949				
HUGHES	1921 MARIPOSA AVE	SSE 0 - 1/8 (0.068 mi.)	I68	171
Status: A				
Tank Status: A				
Comp Number: 10311				
HUGHES AIRCRAFT CO S	***1925 E MAPLE AVE***	***ENE 1/8 - 1/4 (0.138 mi.)***	***K86***	***201***
Comp Number: 13531				
HUGHES AIRCRAFT CO R	***2030 E MAPLE AVE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q99***	***246***
Status: A				

Tank Status: A
Comp Number: 9550

HUGHES AIRCRAFT CO S	***930 N SELBY ST***	***NNE 1/8 - 1/4 (0.245 mi.)***	***U117***	***330***

Status: A
Tank Status: A
Comp Number: 13537

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 10 CA HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTTA SHELL SERVICE Facility Id: 00000016924	765 SEPULVEDA	NW 0 - 1/8 (0.033 mi.)	E25	42
UNION OIL SERVICE ST Facility Id: 00000055375	603 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.047 mi.)	D35	64
SERVICE STATION 5866 Facility Id: 00000007640	***603 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.047 mi.)***	***D38***	***79***
TOSCO CORPORATION ST	***603 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.047 mi.)***	***D39***	***81***
SERVICE STATION 4613 Facility Id: 00000017466	770 N SEPULVEDA	NNW 0 - 1/8 (0.048 mi.)	E43	86
UNION OIL 4613 Facility Id: 00000061004	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***E47***	***94***
THE HERTZ CORPORATIO Facility Id: 00000005367	540 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.106 mi.)	M81	196

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINIX LLC	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C61***	***149***
EQUINIX LLC Facility Id: 00000029297	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C63***	***154***
HUGHES AIRCRAFT CO R Facility Id: 00000029277	***2030 E MAPLE AVE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q99***	***246***

CA CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CA CERS TANKS list, as provided by EDR, and dated 08/14/2019 has revealed that there are 5 CA CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE BOEING COMPANY -	***650 N. PACIFIC COAST***	***0 - 1/8 (0.000 mi.)***	***A14***	***24***
CIRCLE K STORE #2709	***765 N SEPULVEDA BLVD***	***NW 0 - 1/8 (0.040 mi.)***	***E30***	***46***
AIRPORT 5 STAR	***603 N SEPULVEDA BLVD***	***SSW 0 - 1/8 (0.047 mi.)***	***D37***	***66***
UNION OIL 4613	***770 N SEPULVEDA BLVD***	***NNW 0 - 1/8 (0.048 mi.)***	***E47***	***94***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQUINIX LLC	***1920 E MAPLE AVE***	***NE 0 - 1/8 (0.061 mi.)***	***C54***	***128***

Local Land Records

CA DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the CA DEED list, as provided by EDR, and dated 09/03/2019 has revealed that there is 1 CA DEED site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOEING SATELLITE SYS	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V122***	***394***
Status: ACTIVE				
Envirostor ID: 80001440				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there are 20 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #2709	765 N SEPULVEDA BLVD	NW 0 - 1/8 (0.040 mi.)	E33	63
EPA ID:: CAL000369642				
BOB'S UNION (STA 461	770 N SEPULVEDA BLVD	NNW 0 - 1/8 (0.048 mi.)	E42	85
EPA ID:: CAL000094560				
ESALON	1910 EAST MAPLE AVEN	NNE 0 - 1/8 (0.053 mi.)	G49	109
EPA ID:: CAC002982059				
ESALON.COM LLC	1910 E MAPLE AVE	NNE 0 - 1/8 (0.053 mi.)	G50	110
EPA ID:: CAL000431165				
ZIEGLER, KEN	1625 E. MAPLE AVENUE	NW 1/8 - 1/4 (0.157 mi.)	O90	207
EPA ID:: CAC002991209				
ZIEGLER, KEN	1625 E. MAPLE AVENUE	NW 1/8 - 1/4 (0.157 mi.)	O91	208
EPA ID:: CAC002990127				
RALPHS GROCERY #645	500 N SEPULVEDA BLVD	S 1/8 - 1/4 (0.164 mi.)	P96	238
EPA ID:: CAL000320877				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRIO MANUFACTURING I	601 LAIRPORT ST	SE 0 - 1/8 (0.056 mi.)	H51	111
EPA ID:: CAL000229764				
EQUINIX LLC	1920 E MAPLE AVE	NE 0 - 1/8 (0.061 mi.)	C58	143
EPA ID:: CAL000315207				
KEYSIGHT TECHNOLOGIE	700 LAIRPORT ST	E 0 - 1/8 (0.063 mi.)	F64	157
EPA ID:: CAL000437065				
RAYTHEON	1917-21 E MARIPOSA A	SSE 0 - 1/8 (0.070 mi.)	I70	173

EPA ID:: CAL000170201				
COOKS COLLISION OF E EPA ID:: CAL000373971	760 LAIRPORT ST	E 0 - 1/8 (0.078 mi.)	J73	185
COOKS COLLISION AN A EPA ID:: CAL000439827	760 LAIRPORT STREET	E 0 - 1/8 (0.078 mi.)	J75	188
CALIBER COLLISION CE EPA ID:: CAL000443264	760 LAIRPORT ST	E 0 - 1/8 (0.078 mi.)	J76	190
EX17-1925 MAPLE JV, EPA ID:: CAC002971694	1925 E. MAPLE AVE	ENE 1/8 - 1/4 (0.138 mi.)	K85	199
NORTHROP CORP AIRCRA EPA ID:: CAD009687336	***2031 E MARIPOSA AVE***	***ESE 1/8 - 1/4 (0.160 mi.)***	***N95***	***233***
COSMETIX WEST EPA ID:: CAL000431521	2041 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.233 mi.)	T112	314
NORTHROP CORP AIRCRA EPA ID:: CAD000627216	***2043 E MARIPOSA AVEN***	***ESE 1/8 - 1/4 (0.241 mi.)***	***T114***	***317***
TRW INC EPA ID:: CAD981652688	***2045 E MARIPOSA***	***ESE 1/8 - 1/4 (0.244 mi.)***	***T116***	***328***
CHAN SOON SHIONG INS EPA ID:: CAL000431646	2040 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.246 mi.)	T120	335

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/15/2019 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL SEGUNDO STORAGE A		NNW 1/8 - 1/4 (0.224 mi.)	S108	308
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SPERRY GYROSCOPE COR		NE 1/2 - 1 (0.603 mi.)	AD150	516

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT MCARTHUR	200 NORTH DOUGLAS ST	SE 1/2 - 1 (0.734 mi.)	AG162	645

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, has revealed that there are 4 CA DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI - CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 09/27/2019	630 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.019 mi.)	B16	29
TRI CLEANERS Database: DRYCLEANERS, Date of Government Version: 06/04/2019 EPA Id: CAD983634742	***630 N SEPULVEDA***	***SSW 0 - 1/8 (0.019 mi.)***	***B18***	***30***
TRI-CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 09/27/2019	630 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.019 mi.)	B19	32

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPRING CLEANERS Database: DRYCLEAN SOUTH COAST, Date of Government Version: 09/27/2019	2003 E MARIPOSA AVE	ESE 1/8 - 1/4 (0.139 mi.)	N88	203

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 15 CA HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #5866 Reg Id: I-09969	***603 SEPULVEDA BLVD N***	***SSW 0 - 1/8 (0.025 mi.)***	***B21***	***36***
MATTEL INC Reg Id: 902450089	***1955 E GRAND AVE***	***SSE 1/4 - 1/2 (0.351 mi.)***	***W126***	***417***
INERNATIONAL RECTIFI Reg Id: 908130489	***1521 GRAND AVE***	***SSW 1/4 - 1/2 (0.365 mi.)***	***128***	***430***
HUGHES AIRCRAFT CO C Reg Id: R-13532	***1990 GRAND AVE E***	***SSE 1/4 - 1/2 (0.396 mi.)***	***132***	***453***
PILLACK PROPERTY Reg Id: I-14091	1410 GRAND	SW 1/4 - 1/2 (0.483 mi.)	AB143	483
INTERNATIONAL RECTIF Reg Id: I-15781	***233 KANSAS ST***	***SSW 1/4 - 1/2 (0.494 mi.)***	***AC144***	***483***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT-EDSG Reg Id: R-10916	***1920 MAPLE ST E***	***ENE 0 - 1/8 (0.032 mi.)***	***C22***	***39***
HUGHES AIRCRAFT CO/ Reg Id: R-13531	***1925 MAPLE ST E***	***ENE 1/8 - 1/4 (0.156 mi.)***	***89***	***204***
JIM & JACK AUTO BODY	***307 SEPULVEDA BLVD N***	***S 1/4 - 1/2 (0.309 mi.)***	***123***	***400***

Reg Id: I-13092				
RAYTHEON COMPANY SAS	***2000 E. IMPERIAL HIG***	***NE 1/4 - 1/2 (0.346 mi.)***	***124***	***403***
Reg Id: I-12326				
HUGHES BLDG R-18/S-4	***2030 IMPERIAL HWY E***	***NNE 1/4 - 1/2 (0.377 mi.)***	***X129***	***443***
Reg Id: 902450061				
BERGAN BRUNSWICK	***150 ILLINOIS***	***SSW 1/4 - 1/2 (0.378 mi.)***	***Y131***	***450***
Reg Id: R-20565				
Reg Id: 263				
GARRETT AIRESEARCH	6201 IMPERIAL	N 1/4 - 1/2 (0.407 mi.)	Z133	456
Reg Id: 900450570				
KOREAN AIRLINES FREI	6101 IMPERIAL	NNE 1/4 - 1/2 (0.410 mi.)	X137	471
Reg Id: 900450561				
UNITED AIRLINES FLIG	***444 NASH ST***	***ESE 1/4 - 1/2 (0.424 mi.)***	***AA140***	***473***
Reg Id: I-12973				

CA HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the CA HWP list, as provided by EDR, and dated 08/19/2019 has revealed that there are 7 CA HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RAYTHEON SPACE AND A	***2000 E EL SEGUNDO BL***	***SSE 1/2 - 1 (0.613 mi.)***	***AF155***	***532***
EPA Id: CAD000633230				
Cleanup Status: UNDERGOING CLOSURE				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MATTEL TOYS INC	***2031 MARIPOSA***	***ESE 1/8 - 1/4 (0.160 mi.)***	***N94***	***210***
EPA Id: CAD009687336				
Cleanup Status: PROTECTIVE FILER				
RAYTHEON CO	***2030 MAPLE AVENUE***	***ENE 1/8 - 1/4 (0.171 mi.)***	***Q102***	***272***
EPA Id: CAT080010853				
Cleanup Status: UNDERGOING CLOSURE				
NORTHROP CORP AIRCRA	***2043 E MARIPOSA AVEN***	***ESE 1/8 - 1/4 (0.241 mi.)***	***T114***	***317***
EPA Id: CAD000627216				
Cleanup Status: CLOSED				
THE BOEING COMPANY	***1920 E IMPERIAL HWY***	***NNE 1/4 - 1/2 (0.308 mi.)***	***V121***	***336***
EPA Id: CAD060897063				
Cleanup Status: CLOSED				
ROCKWELL INT'L CORP/	***827 N DOUGLAS***	***E 1/2 - 1 (0.608 mi.)***	***AE154***	***530***
EPA Id: CAD097855126				
Cleanup Status: CLOSED				
WEST COMPLEX FACILIT	***1 HORNET WAY***	***ESE 1/2 - 1 (0.943 mi.)***	***166***	***709***
EPA Id: CAD000627273				
Cleanup Status: CLOSED				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUGHES AIRCRAFT CO R EPA ID: CAT080010853	2030 E. MAPLE ST.	ENE 1/8 - 1/4 (0.171 mi.)	Q98	245

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 5 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEONARDS INTERNATION	600 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.033 mi.)	D23	42
MOTTA BROTHERS INC	763 N SEPULVEDA BLVD	NW 0 - 1/8 (0.038 mi.)	E28	45
MOTTA BROTHERS INC	765 N SEPULVEDA BLVD	NW 0 - 1/8 (0.040 mi.)	E34	64
WITT JIM UNION SERVI	603 N SEPULVEDA	SSW 0 - 1/8 (0.047 mi.)	D40	84
KIZIRIAN BOB	770 N SEPULVEDA	NNW 0 - 1/8 (0.048 mi.)	E44	87

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

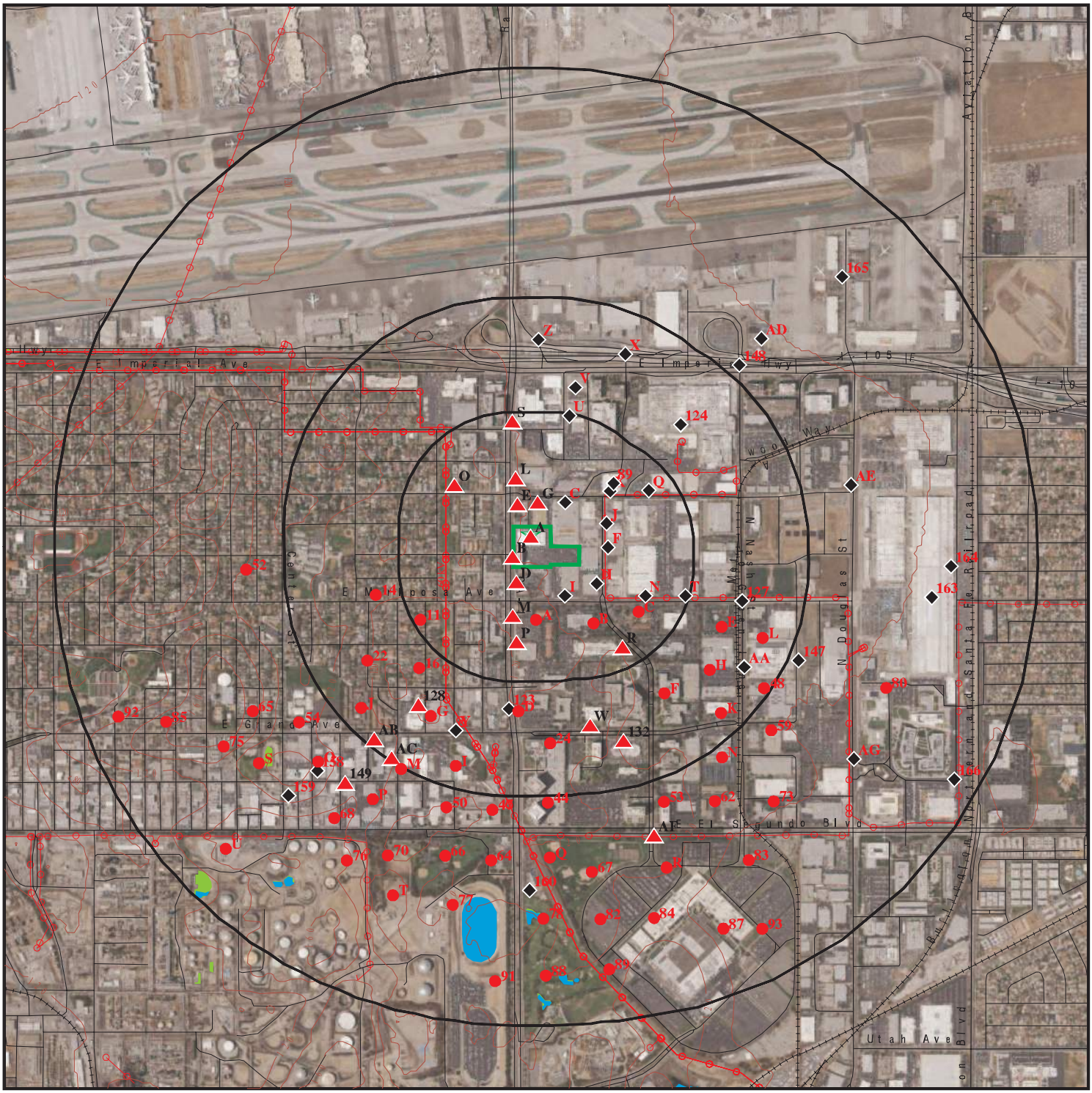
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRI-CLEANERS	630 N SEPULVEDA BLVD	SSW 0 - 1/8 (0.019 mi.)	B17	30

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
SOF-XI PCT TWO TOWER OWNER, LLC	CA CERS HAZ WASTE, CA CERS
SOF-XI PCT SINGLE TOWER OWNER, LLC	CA CERS HAZ WASTE, CA CERS
CITY OF EL SEGUNDO	CA LUST, CA HIST CORTESE
EL SEGUNDO CITY DUMP	CA SWF/LF
835 LAPHAM STREET	CA ENVIROSTOR, CA VCP

OVERVIEW MAP - 5874708.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Commercial Site	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	650 & 700 North Sepulveda EL SEGUNDO CA 90245	CONTACT:	Alex Flores
LAT/LONG:	33.92568 / 118.395425	INQUIRY #:	5874708.2s
		DATE:	November 19, 2019 5:52 pm

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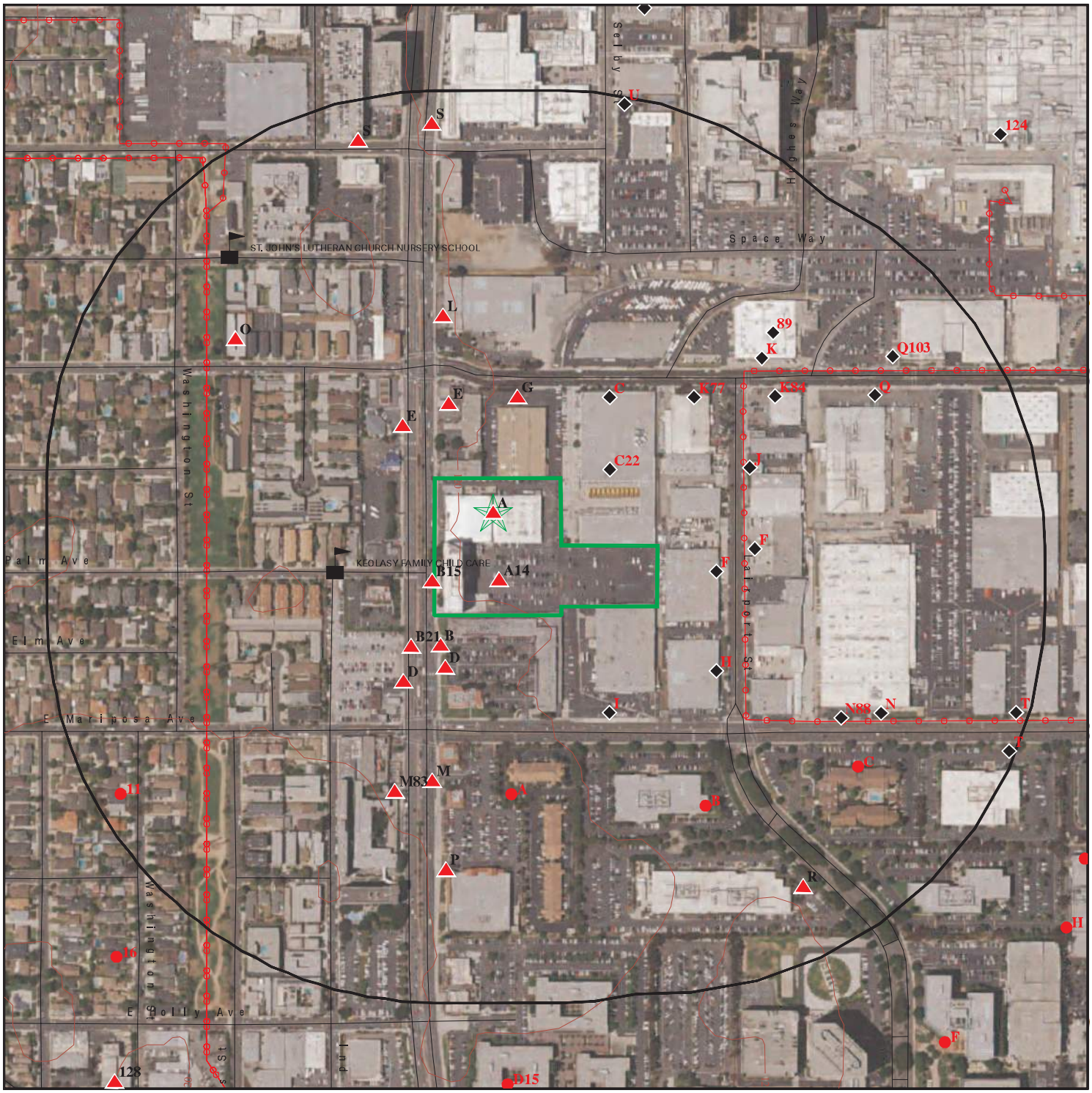
DETAIL MAP - 5874708.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Commercial Site	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	650 & 700 North Sepulveda EL SEGUNDO CA 90245	CONTACT:	Alex Flores
		INQUIRY #:	5874708.2s
LAT/LONG:	33.92568 / 118.395425	DATE:	November 19, 2019 5:57 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500	1	0	2	2	NR	NR	5
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	1	1	3	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	3	1	NR	NR	4
Federal RCRA generators list								
RCRA-LQG	0.250	1	2	2	NR	NR	NR	5
RCRA-SQG	0.250		6	1	NR	NR	NR	7
RCRA-VSQG	0.250		1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
CA RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	1.000	1	1	5	5	13	NR	25
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
CA LUST	0.500		5	2	15	NR	NR	22

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CA CPS-SLIC	0.500		0	2	5	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
CA UST	0.250	1	12	5	NR	NR	NR	18
CA AST	0.250	1	2	0	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.500		1	0	2	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.500		0	0	0	NR	NR	0
CA SWRCY	0.500		0	0	0	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
CA AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.000		0	0	0	0	NR	0
CA SCH	0.250		0	0	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA Toxic Pits	1.000		0	0	0	0	NR	0
CA CERS HAZ WASTE	0.250		9	6	NR	NR	NR	15
US CDL	TP		NR	NR	NR	NR	NR	0
CA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.250	1	10	3	NR	NR	NR	14
CA HIST UST	0.250		9	1	NR	NR	NR	10
CA FID UST	0.250		0	0	NR	NR	NR	0
CA CERS TANKS	0.250		5	0	NR	NR	NR	5
Local Land Records								
CA LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
CA DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP		NR	NR	NR	NR	NR	0
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		11	9	NR	NR	NR	20
FUDS	1.000		0	1	0	1	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	3	NR	NR	NR	NR	NR	3
ECHO	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
CA Cortese	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA DRYCLEANERS	0.250		3	1	NR	NR	NR	4
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP		NR	NR	NR	NR	NR	0
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	4	NR	NR	NR	NR	NR	4
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.500		2	1	12	NR	NR	15
CA LOS ANGELES CO. HMS	TP	1	NR	NR	NR	NR	NR	1
CA HWP	1.000		0	3	1	3	NR	7
CA HWT	0.250		0	0	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
CA MINES	0.250		0	0	NR	NR	NR	0
CA MWMP	0.250		0	0	NR	NR	NR	0
CA NPDES	TP		NR	NR	NR	NR	NR	0
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.500		0	0	0	NR	NR	0
CA Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
CA UIC	TP		NR	NR	NR	NR	NR	0
CA UIC GEO	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.500		0	0	0	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.250		0	0	NR	NR	NR	0
CA MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CA PROJECT	TP		NR	NR	NR	NR	NR	0
CA WDR	TP		NR	NR	NR	NR	NR	0
CA CIWQS	TP		NR	NR	NR	NR	NR	0
CA CERS	TP		NR	NR	NR	NR	NR	0
CA NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
CA OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
CA PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CA SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
CA WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
CA LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		5	NR	NR	NR	NR	5
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	TP		NR	NR	NR	NR	NR	0
CA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		17	85	49	46	21	0	218

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property

THE BOEING CO
650-700 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

CA HAZNET **S113174902**
N/A

Site 1 of 14 in cluster A

Actual:
116 ft.

HAZNET:

Name:	THE BOEING CO
Address:	650-700 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2016
GEPAID:	CAR000071167
Contact:	JERROD NEWLANDER
Telephone:	3103458778
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919 W/S25/D581
Mailing City,St,Zip:	LOS ANGELES, CA 900090000
Gen County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County:	Kern
Tons:	1.61
CA Waste Code:	151-Asbestos containing waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Name:	THE BOEING CO
Address:	650-700 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2014
GEPAID:	CAR000071167
Contact:	JERROD NEWLANDER
Telephone:	3104165680
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919 W/S25/D581
Mailing City,St,Zip:	LOS ANGELES, CA 900090000
Gen County:	Los Angeles
TSD EPA ID:	CAD060897063
TSD County:	Los Angeles
Tons:	0.1
CA Waste Code:	151-Asbestos containing waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	THE BOEING CO
Address:	650-700 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2014
GEPAID:	CAR000071167
Contact:	JERROD NEWLANDER
Telephone:	3104165680
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919 W/S25/D581
Mailing City,St,Zip:	LOS ANGELES, CA 900090000
Gen County:	Los Angeles
TSD EPA ID:	CAD060897063
TSD County:	Los Angeles
Tons:	0.025

THE BOEING CO (Continued) **S113174902**

CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: THE BOEING CO
Address: 650-700 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2013
GEPAID: CAR000071167
Contact: JERROD NEWLANDER
Telephone: 3104165680
Mailing Name: Not reported
Mailing Address: PO BOX 92919
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD060897063
TSD County: Los Angeles
Tons: 0.15
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: THE BOEING CO
Address: 650-700 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2013
GEPAID: CAR000071167
Contact: JERROD NEWLANDER
Telephone: 3104165680
Mailing Name: Not reported
Mailing Address: PO BOX 92919
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD060897063
TSD County: Los Angeles
Tons: 0.125
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
45 additional CA_HAZNET: record(s) in the EDR Site Report.

A2 **DEVLIN PHARMACEUTICALS INC** **SEMS-ARCHIVE** **1003878845**
Target **700 N SEPULVEDA BLVD** **CAD981373848**
Property **EL SEGUNDO, CA 90245**

Site 2 of 14 in cluster A

Actual: **116 ft.**

SEMS Archive:
Site ID: 0902293
EPA ID: CAD981373848
Cong District: 27
FIPS Code: 06037
FF: N

DEVLIN PHARMACEUTICALS INC (Continued) **1003878845**

NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0902293
EPA ID: CAD981373848
Site Name: DEVLIN PHARMACEUTICALS INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-02-22 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902293
EPA ID: CAD981373848
Site Name: DEVLIN PHARMACEUTICALS INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-02-01 05:00:00
Finish Date: 1986-02-01 05:00:00
Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0902293
EPA ID: CAD981373848
Site Name: DEVLIN PHARMACEUTICALS INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1989-02-22 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902293
EPA ID: CAD981373848
Site Name: DEVLIN PHARMACEUTICALS INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA

DEVLIN PHARMACEUTICALS INC (Continued) **1003878845**

SEQ:	2
Start Date:	1986-01-01 05:00:00
Finish Date:	1986-05-01 04:00:00
Qual:	L
Current Action Lead:	St Perf

A3 Target Property **ALLIEDSIGNAL** **CA UST** **U004261075**
650 S. SEPULVEDA BLVD. **N/A**
EL SEGUNDO, CA

Site 3 of 14 in cluster A

Actual: 116 ft.

EL SEGUNDO UST:

Name:	ALLIEDSIGNAL
Address:	650 S. SEPULVEDA BLVD.
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

A4 Target Property **THE BOEING COMPANY** **RCRA-LQG** **1001967613**
650-700 N SEPULVEDA BLVD **CAR000071167**
EL SEGUNDO, CA 90245

Site 4 of 14 in cluster A

Actual: 116 ft.

RCRA-LQG:

Date form received by agency:	2012-12-19 00:00:00.0
Facility name:	THE BOEING COMPANY
Facility address:	650-700 N SEPULVEDA BLVD EL SEGUNDO, CA 90245
EPA ID:	CAR000071167
Mailing address:	PO BOX 92919 W S01 D381 LOS ANGELES, CA 90009
Contact:	JERROD J NEWLANDER
Contact address:	PO BOX 92919 W S01 D381 LOS ANGELES, CA 90009
Contact country:	US
Contact telephone:	310-416-5680
Contact email:	JERROD.J.NEWLANDER@BOEING.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any

THE BOEING COMPANY (Continued) **1001967613**

residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	PO BOX 92919 W S01 D381
	LOS ANGELES, CA 90009
Owner/operator country:	US
Owner/operator telephone:	310-416-5680
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2000-10-16 00:00:00.0

THE BOEING COMPANY (Continued) **1001967613**

Site name: BOEING SATELLITE SYSTEMS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 2017-11-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2017-02-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

THE BOEING COMPANY (Continued) **1001967613**

Date achieved compliance: Not reported
Evaluation lead agency: State

A5 **SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION** **CA HAZNET** **S112981031**
Target **650 N SEPULVEDA BLVD** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 5 of 14 in cluster A

Actual: **116 ft.**

HAZNET:

Name:	SOUTHERN CALIFORNIA EDISON - CUSTOMER LOCATION
Address:	650 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453422
Year:	2009
GEPAID:	CAC002647412
Contact:	STAN MARSH
Telephone:	6263029711
Mailing Name:	Not reported
Mailing Address:	2244 WALNUT GROVE AVE
Mailing City,St,Zip:	ROSEMEAD, CA 917703714
Gen County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County:	Los Angeles
Tons:	6.7222
CA Waste Code:	221-Waste oil and mixed oil
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

A6 **BOEING SATELLITE SYSTEMS - S38** **CA AST** **A100417761**
Target **700 N. SEPULVEDA BLVD.** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 6 of 14 in cluster A

Actual: **116 ft.**

AST:

Name:	BOEING SATELLITE SYSTEMS - S38
Address:	700 N. SEPULVEDA BLVD.
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	The Boeing Company
Total Gallons:	Not reported
CERSID:	10159311
Facility ID:	Not reported
Business Name:	Boeing Satellite System Inc.
Phone:	310-662-8619
Fax:	Not reported
Mailing Address:	POBox 92919 W/S01/D381
Mailing Address City:	Los Angeles
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	The Boeing Company
Operator Phone:	310-662-8619
Owner Phone:	310-662-8619
Owner Mail Address:	POBox 92919 W/S01/D381
Owner State:	CA
Owner Zip Code:	Not reported

BOEING SATELLITE SYSTEMS - S38 (Continued) **A100417761**

Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD060897063

A7 **THE BOEING COMPANY** **FINDS** **1015781170**
Target **650-700 N SEPULVEDA BLVD** **ECHO** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 7 of 14 in cluster A

Actual:
116 ft.

FINDS:

Registry ID: 110054820841

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

COMPLIANCE AND EMISSIONS REPORTING

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015781170
Registry ID:	110054820841
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110054820841

A8 **EL SEGUNDO** **ICIS** **1010037975**
Target **650 SEPULVEDA BOULEVARD** **FINDS** **N/A**
Property **EL SEGUNDO, CA 90245** **ECHO**

Site 8 of 14 in cluster A

Actual:
116 ft.

ICIS:

Enforcement Action ID:	HQ-2005-8000
FRS ID:	110028067080
Action Name:	Cellco Partnership dba Verizon Wirelss
Facility Name:	EL SEGUNDO
Facility Address:	650 SEPULVEDA BOULEVARD EL SEGUNDO, CA 90245
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	LOS ANGELES
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.925052
Longitude in Decimal Degrees:	-118.39621
Permit Type Desc:	Not reported
Program System Acronym:	7377620
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:

Registry ID: 110028067080

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1010037975
Registry ID:	110028067080
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110028067080

A9
Target
Property

DEVLIN PHARMACEUTICALS, INC
700 NORTH SEPULVEDA BLVD
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S102860858**
N/A

Site 9 of 14 in cluster A

Actual:
116 ft.

ENVIROSTOR:

Name:	DEVLIN PHARMACEUTICALS, INC
Address:	700 NORTH SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19280313
Status:	No Further Action
Status Date:	12/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	5
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92556
Longitude:	-118.3951
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER
Potential COC:	TPH-gas
Confirmed COC:	30025-NO
Potential Description:	SOIL
Alias Name:	BERGEN-BRUNSWIG
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT COMPANY
Alias Type:	Alternate Name
Alias Name:	RABIN WINTERS CORPORATION
Alias Type:	Alternate Name
Alias Name:	RABIN'S PHARMACEUTICAL COMPANY
Alias Type:	Alternate Name
Alias Name:	CAD981373848
Alias Type:	EPA Identification Number
Alias Name:	19280313
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	12/01/1985
Comments:	SOURCE ACT: CONTACT W/ LICHTEN,HUGHES, & RABIN,OWNER - (DEVLIN)MFG OF PHARMACEUTL & VITAMINS, (RABIN'S)MFG OF PHARMACEUTIC & PROD OF ROSIN LIGHTER FLUID, (BERGEN) MFG OF PHARMACEUTICALS, (HUGHES) STORAGE OF OFFICE EQUIP. IN 1982 8 U/G TANKS USED BY RABINS WERE REMOVED BY RABIN W/O REGULATORY. SUBMIT TO EPA ENFORCEMENT(OTHER) CO ENGR. CLOSED CLARIFIER ON 10/29/85 PRELIM ASSESS DONE CERCLA 104

DEVLIN PHARMACEUTICALS, INC (Continued) **S102860858**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/08/1994
Comments:	CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	04/03/1980
Comments:	FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIR RECIEVED IDENTIFIED DISCH METHOD & WASTE TYPE
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	03/22/2018
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

A10 **BOEING SATELLITE SYSTEMS - S38** **FINDS** **1023218781**
Target **700 N. SEPULVEDA BLVD.** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 10 of 14 in cluster A

Actual: **116 ft.**

FINDS:

Registry ID: 110065048353

Environmental Interest/Information System
COMPLIANCE AND EMISSIONS REPORTING

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A11
Target Property

HUGHES SPACE & COMMUNICATIONS
650 - 700 N. SEPULVEDA AVE
EL SEGUNDO, CA 90245

CA HAZNET

S113068322
N/A

Site 11 of 14 in cluster A

Actual:
116 ft.

HAZNET:

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	650 - 700 N. SEPULVEDA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAL000121434
Contact:	JERROD NEWLANDER/SHEA SPECIALI
Telephone:	3104169394
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919
Mailing City,St,Zip:	LOS ANGELES, CA 900092919
Gen County:	Los Angeles
TSD EPA ID:	CAD060897063
TSD County:	Los Angeles
Tons:	0.2025
CA Waste Code:	213-Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method:	D99-Disposal, Other
Facility County:	Los Angeles

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	650 - 700 N. SEPULVEDA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAL000121434
Contact:	JERROD NEWLANDER/SHEA SPECIALI
Telephone:	3104169394
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919
Mailing City,St,Zip:	LOS ANGELES, CA 900092919
Gen County:	Los Angeles
TSD EPA ID:	CAD060897063
TSD County:	Los Angeles
Tons:	0.1335
CA Waste Code:	541-Photochemicals/photoprocessing waste
Method:	D99-Disposal, Other
Facility County:	Los Angeles

Name:	HUGHES SPACE & COMMUNICATIONS
Address:	650 - 700 N. SEPULVEDA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAL000121434
Contact:	JERROD NEWLANDER/SHEA SPECIALI
Telephone:	3104169394
Mailing Name:	Not reported
Mailing Address:	PO BOX 92919
Mailing City,St,Zip:	LOS ANGELES, CA 900092919
Gen County:	Los Angeles
TSD EPA ID:	CAD060897063
TSD County:	Los Angeles
Tons:	0.612
CA Waste Code:	151-Asbestos containing waste
Method:	D99-Disposal, Other

HUGHES SPACE & COMMUNICATIONS (Continued) **S113068322**

Facility County: Los Angeles

Name: HUGHES SPACE & COMMUNICATIONS
Address: 650 - 700 N. SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2000
GEPAID: CAL000121434
Contact: JERROD NEWLANDER/SHEA SPECIALI
Telephone: 3104169394
Mailing Name: Not reported
Mailing Address: PO BOX 92919
Mailing City,St,Zip: LOS ANGELES, CA 900092919
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Tons: 23.5984
CA Waste Code: 151-Asbestos containing waste
Method: D80-Disposal, Land Fill
Facility County: Los Angeles

Name: HUGHES SPACE & COMMUNICATIONS
Address: 650 - 700 N. SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1999
GEPAID: CAL000121434
Contact: JERROD NEWLANDER/SHEA SPECIALI
Telephone: 3104169394
Mailing Name: Not reported
Mailing Address: PO BOX 92919
Mailing City,St,Zip: LOS ANGELES, CA 900092919
Gen County: Los Angeles
TSD EPA ID: CAD060897063
TSD County: Los Angeles
Tons: 0.562
CA Waste Code: 541-Photochemicals/photoprocessing waste
Method: D99-Disposal, Other
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
20 additional CA_HAZNET: record(s) in the EDR Site Report.

A12 **ALLIED CORP** **CA SWEEPS UST** **S102056694**
Target **650 S SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 12 of 14 in cluster A

Actual: **116 ft.**

SWEEPS UST:
Name: ALLIED CORP
Address: 650 S SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 12321
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

ALLIED CORP (Continued) **S102056694**

Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: ALLIED CORP
Address: 650 S SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 012202-012321
Facility Type: Not reported
Facility Status: Closed
Area: 2N
Permit Number: Not reported
Permit Status: Not reported

A13 **AERO SPACE CTR** **CA HAZNET** **S123780216**
Target **650 N SEPULVEDA AVE** **N/A**
Property **EL SEGUNDO, CA 90245**

Site 13 of 14 in cluster A

Actual:
116 ft.

HAZNET:
Name: AERO SPACE CTR
Address: 650 N SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1985
GEPAID: CAX000210559
Contact: TONY LUCA
Telephone: 2136478380
Mailing Name: Not reported
Mailing Address: --
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD099990947
TSD County: Los Angeles
Tons: 29.498
CA Waste Code: 151-Asbestos containing waste
Method: D80-Disposal, Land Fill
Facility County: Los Angeles

Name: AERO SPACE CTR
Address: 650 N SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1985
GEPAID: CAX000210559
Contact: TONY LUCA
Telephone: 2136478380
Mailing Name: Not reported
Mailing Address: --

AERO SPACE CTR (Continued) **S123780216**

Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 0
Tons: 0.25
CA Waste Code: 151-Asbestos containing waste
Method: 14-
Facility County: Los Angeles

Name: AERO SPACE CTR
Address: 650 N SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1985
GEPAID: CAX000210559
Contact: TONY LUCA
Telephone: 2136478380
Mailing Name: Not reported
Mailing Address: --
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD099990947
TSD County: Los Angeles
Tons: 29.498
CA Waste Code: 151-Asbestos containing waste
Method: 03-
Facility County: Los Angeles

Name: AERO SPACE CTR
Address: 650 N SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1985
GEPAID: CAX000210559
Contact: TONY LUCA
Telephone: 2136478380
Mailing Name: Not reported
Mailing Address: --
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD099990947
TSD County: Los Angeles
Tons: 88.494
CA Waste Code: 151-Asbestos containing waste
Method: -
Facility County: Los Angeles

Name: AERO SPACE CTR
Address: 650 N SEPULVEDA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1985
GEPAID: CAX000210559
Contact: TONY LUCA
Telephone: 2136478380
Mailing Name: Not reported
Mailing Address: --
Mailing City,St,Zip: LOS ANGELES, CA 900090000
Gen County: Los Angeles
TSD EPA ID: CAD099990947

AERO SPACE CTR (Continued) **S123780216**

TSD County: Los Angeles
Tons: 5
CA Waste Code: -
Method: 03-
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

A14 **THE BOEING COMPANY - S37** **CA CERS HAZ WASTE** **S123500542**
650 N. PACIFIC COAST HIGHWAY S37 **CA CERS TANKS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
1 ft.

Site 14 of 14 in cluster A

Relative: Higher
Actual: 118 ft.

CERS HAZ WASTE:
Name: THE BOEING COMPANY - S37
Address: 650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 12979
CERS ID: 10159309
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: THE BOEING COMPANY - S37
Address: 650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 12979
CERS ID: 10159309
CERS Description: Aboveground Petroleum Storage

CERS:
Name: THE BOEING COMPANY - S37
Address: 650 N. PACIFIC COAST HIGHWAY S37
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 12979
CERS ID: 10159309
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 12979
Site Name: The Boeing Company - S37
Violation Date: 05-14-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC Plan a prediction of direction and total quantity of oil potentially discharged from the facility as a result of each type of major equipment failure.
Violation Notes: Returned to compliance on 06/21/2018. Failure to include in the SPCC Plan a prediction of direction and total quantity of oil potentially discharged from the facility as a result of each type of major equipment failure. The site maps do not show the direction of flow, mostly due to the scale of the maps.The maps shall show more detail on the location of materials and the directions of drainage in the event of a release.
Violation Division: El Segundo City Fire Department
Violation Program: APSA

THE BOEING COMPANY - S37 (Continued) **S123500542**

Violation Source: CERS

Site ID: 12979
Site Name: The Boeing Company - S37
Violation Date: 05-14-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 06/21/2018. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete and electronically submit a site map with all required content. Facility shall update site map to include: loading area, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials (CT-531) and emergency response equipment.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility has met the requirements for the Business Plan and the CERS information is current.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility is a hazardous waste generator for construction activities only and UW. No hazardous waste was being stored at the facility at the time of the inspection. The waste is usually managed within the week that it is generated. The waste is handled by contractors and not facility personnel.
Eval Division: El Segundo City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

THE BOEING COMPANY - S37 (Continued) **S123500542**

Eval Date: 05-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-14-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-21-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection did not identify any violations at time of inspection.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: This report is part of the inspection information that was conducted on February 22, 2017. This information reflects the information found in the LQG HWG report.
Eval Division: El Segundo City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Anu Garg
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 92919 W/S25/D581
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90009-2919

THE BOEING COMPANY - S37 (Continued) **S123500542**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90009-2919
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Operator
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Identification Signer
Entity Name:	Anu Garg
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	CRAIG DAVIS
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Boeing Satellite System Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

THE BOEING COMPANY - S37 (Continued) **S123500542**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

B15 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102056730**
SW **690 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.002 mi.
8 ft. **Site 1 of 7 in cluster B**

Relative:
Higher

Actual:
122 ft.

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO SCG
Address:	690 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	10342
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	HUGHES AIRCRAFT CO SCG
Address:	690 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	Not reported
Facility Id:	010427-010342
Facility Type:	Not reported
Facility Status:	OPEN
Area:	2N
Permit Number:	Not reported
Permit Status:	Not reported

B16 **TRI - CLEANERS** **CA DRYCLEANERS** **S121694869**
SSW **630 N SEPULVEDA BLVD #11A** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 2 of 7 in cluster B**

Relative:
Higher

Actual:
123 ft.

DRYCLEAN SOUTH COAST:

Name:	TRI - CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	129286
Application Number:	389782
Permit Number:	F44188
Status:	A
Representative Name:	HASSAN JOOFAR
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	370.93499756
UTM North:	3754.4299316

Name:	TRI - CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	129286
Application Number:	389783
Permit Number:	F44189
Status:	A
Representative Name:	HASSAN JOOFAR
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	370.93499756
UTM North:	3754.4299316

Name:	TRI - CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	129286
Application Number:	542645
Permit Number:	G20844
Status:	A
Representative Name:	HASSAN JOOFAR
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	370.93499756
UTM North:	3754.4299316

Name: TRI - CLEANERS

TRI - CLEANERS (Continued) **S121694869**

Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	129286
Application Number:	542950
Permit Number:	G20820
Status:	A
Representative Name:	HASSAN JOOFAR
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	370.93499756
UTM North:	3754.4299316

B17 **TRI-CLEANERS** **EDR Hist Cleaner** **1009126209**
SSW **630 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 3 of 7 in cluster B**

Relative: EDR Hist Cleaner
Higher

Actual:
123 ft.

Year:	Name:	Type:
1995	TRI-CLEANERS	Drycleaning Plants, Except Rugs
1996	TRI-CLEANERS	Drycleaning Plants, Except Rugs
1998	TRI CLEANERS	Not reported
2000	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2003	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2004	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2005	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2006	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2007	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2008	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2009	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2010	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2011	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2012	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2013	TRI-CLEANERS	Drycleaning Plants, Except Rugs
2014	TRI-CLEANERS	Drycleaning Plants, Except Rugs

B18 **TRI CLEANERS** **RCRA-SQG** **1000686238**
SSW **630 N SEPULVEDA** **FINDS** **CAD983634742**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.019 mi. **CA DRYCLEANERS**
98 ft. **Site 4 of 7 in cluster B**

Relative: RCRA-SQG:
Higher

Actual:
123 ft.

Date form received by agency:	1992-05-04 00:00:00.0
Facility name:	TRI CLEANERS
Facility address:	630 N SEPULVEDA EL SEGUNDO, CA 90245
EPA ID:	CAD983634742
Contact:	MASHAN MICHAEL
Contact address:	630 N SEPULVEDA

TRI CLEANERS (Continued) **1000686238**

EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-322-2064
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MICHAEL WASHAN
Owner/operator address: 630 N SEPULVEDA
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-322-2064
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002875327

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

TRI CLEANERS (Continued) **1000686238**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000686238
Registry ID:	110002875327
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002875327

DRYCLEANERS:

Name:	TRI CLEANERS INC
Address:	630 N SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 902450000
EPA Id:	CAD983634742
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	05/04/1992
Facility Active:	No
Inactive Date:	06/30/2018
Facility Addr2:	Not reported
Owner Name:	HASSAN JAAFAR
Owner Address:	630 N SEPULVEDA BLVD
Owner Address 2:	Not reported
Owner Telephone:	3105590697
Contact Name:	HASSAN JAAFAR/OWNER
Contact Address:	630 N SEPULVEDA BLVD
Contact Address 2:	Not reported
Contact Telephone:	3105590697
Mailing Name:	Not reported
Mailing Address 1:	630 N SEPULVEDA BLVD
Mailing Address 2:	Not reported
Mailing City:	EL SEGUNDO
Mailing State:	CA
Mailing Zip:	902453435
Owner Fax:	0000000000
Region Code:	1

B19 **TRI-CLEANERS** **CA DRYCLEANERS** **S121699512**
SSW **630 N SEPULVEDA BLVD #11A** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.019 mi.
98 ft. **Site 5 of 7 in cluster B**

Relative:
Higher

Actual:
123 ft.

DRYCLEAN SOUTH COAST:

Name:	TRI-CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	77779
Application Number:	224579
Permit Number:	D23801

TRI-CLEANERS (Continued) **S121699512**

Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000234
BCAT Description: DRY CLEANING EQUIP PERCHLOROETHYLENE
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 290766
Permit Number: Not reported
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: Not reported
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 360418
Permit Number: Not reported
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: Not reported
BCAT Number: 000601
BCAT Description: DRY CLEANING, DRY-TO-DRY NON-VENT, PERC
CCAT Number: 04
CCAT Description: VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East: 370.93499756
UTM North: 3754.4299316

Name: TRI-CLEANERS
Address: 630 N SEPULVEDA BLVD #11A
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 77779
Application Number: 370889
Permit Number: F32863
Status: S
Representative Name: ELIAS NABHAN
Representative Telephone: 310 3222064
Permit Status: INACTIVE
BCAT Number: 000603
BCAT Description: DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC

TRI-CLEANERS (Continued) **S121699512**

CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	370.93499756
UTM North:	3754.4299316
Name:	TRI-CLEANERS
Address:	630 N SEPULVEDA BLVD #11A
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	77779
Application Number:	370890
Permit Number:	F32864
Status:	S
Representative Name:	ELIAS NABHAN
Representative Telephone:	310 3222064
Permit Status:	INACTIVE
BCAT Number:	000603
BCAT Description:	DRY CLEANING,DRY-TO-DRY NV,W/ SIC,PERC
CCAT Number:	04
CCAT Description:	VAPOR RECOVERY UNIT COMPRESS & CONDENSE
UTM East:	370.93499756
UTM North:	3754.4299316

B20 **LAX PHOTO LAB** **RCRA-SQG 1000686182**
SSW **630 N SEPULVEDA UNIT 6 B** **FINDS CAD983634171**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.019 mi.
98 ft. **Site 6 of 7 in cluster B**

Relative:
Higher

Actual:
123 ft.

RCRA-SQG:

Date form received by agency:	1992-04-24 00:00:00.0
Facility name:	LAX PHOTO LAB
Facility address:	630 N SEPULVEDA UNIT 6 B EL SEGUNDO, CA 90245
EPA ID:	CAD983634171
Contact:	ANTHONY SOHN
Contact address:	630 N SEPULVEDA UNIT 6 B EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-322-7776
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ANTHONY SOHN
Owner/operator address:	630 SEPULVEDA UNIT 6 B EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-322-7776
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

LAX PHOTO LAB (Continued) **1000686182**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002874890

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000686182
Registry ID: 110002874890
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002874890

B21
SSW
< 1/8
0.025 mi.
130 ft.

UNOCAL #5866
603 SEPULVEDA BLVD N
EL SEGUNDO, CA 90245

CA LUST **S102440077**
CA HIST CORTESE **N/A**
CA CERS

Site 7 of 7 in cluster B

Relative:
Higher

Actual:
128 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09969	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703539	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	MARIPOSA	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/4/1990
Date Leak Record Entered:	1/15/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		7/12/1996
Date the Case was Closed:		7/12/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	MASDI, JOLIL	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9366.07767336344492548993 0952
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/4/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNOCAL CORP	
RP Address:	376 S VALENCIA AVE, BREA CA 92621	
Program:	LUST	
Lat/Long:	33.9235634 / -1	
Local Agency Staff:	SHT	

UNOCAL #5866 (Continued) **S102440077**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ROUTINE TANK REPLACEMENT. APP. 100 CU YARDS OF CONTAMINATED SOIL EXCAVATED TO BE TREATED OR HAULED. TANKS IN SOLID CONDITION.

LUST:
Name: UNOCAL #5866
Address: 603 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703539
Global Id: T0603703539
Latitude: 33.923772
Longitude: -118.3963763
Status: Completed - Case Closed
Status Date: 07/12/1996
Case Worker: YR
RB Case Number: I-09969
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603703539
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603703539
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703539
Action Type: Other
Date: 11/27/1990
Action: Leak Stopped

Global Id: T0603703539
Action Type: Other
Date: 12/04/1990

UNOCAL #5866 (Continued) **S102440077**

Action: Leak Reported

Global Id: T0603703539
Action Type: Other
Date: 11/27/1990
Action: Leak Discovery

LUST:
Global Id: T0603703539
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0603703539
Status: Open - Site Assessment
Status Date: 12/04/1990

Global Id: T0603703539
Status: Completed - Case Closed
Status Date: 07/12/1996

HIST CORTESE:
edr_fname: UNOCAL #5866
edr_fadd1: 603 SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09969

CERS:
Name: UNOCAL #5866
Address: 603 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 207308
CERS ID: T0603703539
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported

UNOCAL #5866 (Continued) **S102440077**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

C22 **HUGHES AIRCRAFT-EDSG** **CA LUST** **S103281817**
ENE **1920 MAPLE ST E** **CA HIST CORTESE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.032 mi.
170 ft. **Site 1 of 11 in cluster C**

Relative: **Lower**

Actual: **111 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-10916	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704975	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/3/1986	
Date Leak First Reported:		11/3/1986
Date Leak Record Entered:	8/11/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/18/1996
Date the Case was Closed:		9/18/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Corrosion	
Leak Source:	Tank	
Operator:	MR. LICKETEN	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9462.967204194050022521530264
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

Responsible Party: HUGHES AIRCRAFT
RP Address: Not reported
Program: LUST
Lat/Long: 33.9268324 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: HUGHES AIRCRAFT-EDSG
Address: 1920 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704975
Global Id: T0603704975
Latitude: 33.926076
Longitude: -118.394113
Status: Completed - Case Closed
Status Date: 09/18/1996
Case Worker: SHT
RB Case Number: R-10916
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704975
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704975
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Reported

HUGHES AIRCRAFT-EDSG (Continued) **S103281817**

Global Id: T0603704975
Action Type: Other
Date: 11/03/1986
Action: Leak Discovery

LUST:
Global Id: T0603704975
Status: Open - Case Begin Date
Status Date: 11/03/1986

Global Id: T0603704975
Status: Completed - Case Closed
Status Date: 09/18/1996

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT-EDSG
edr_fadd1: 1920 MAPLE
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-10916

CERS:
Name: HUGHES AIRCRAFT-EDSG
Address: 1920 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 198522
CERS ID: T0603704975
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D23 **LEONARDS INTERNATIONAL DISTRS*** **EDR Hist Auto** **1020139957**
SSW **600 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.033 mi.
174 ft. **Site 1 of 8 in cluster D**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
125 ft. 1978 LEONARDS INTERNATIONAL DISTRS* Gasoline Service Stations
1980 LEONARDS INTERNATIONAL DISTRS* Gasoline Service Stations
1982 LEONARDS INTERNATIONAL DISTRS* Gasoline Service Stations
1983 LEONARDS INTERNATIONAL DISTRS* Gasoline Service Stations

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D24 **SEGUNDO ASSOCIATES** **CA UST** **U004261165**
SSW **600 N. SEPULVEDA BLVD.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.033 mi.
174 ft. **Site 2 of 8 in cluster D**

Relative: EL SEGUNDO UST:
Higher
Name: SEGUNDO ASSOCIATES
Actual: Address: 600 N. SEPULVEDA BLVD.
125 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

E25 **MOTTA SHELL SERVICE** **CA HIST UST** **U001563017**
NW **765 SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.033 mi.
176 ft. **Site 1 of 15 in cluster E**

Relative: HIST UST:
Higher
Name: MOTTA SHELL SERVICE
Actual: Address: 765 SEPULVEDA
125 ft. City,State,Zip: EL SEGUNDO, CA 90245
File Number: 000280CB
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000280CB.pdf
Region: STATE
Facility ID: 00000016924
Facility Type: Gas Station
Other Type: Not reported
Contact Name: A. MOTTA
Telephone: 2136150191
Owner Name: MOTTA BROTHERS INC
Owner Address: 765 SEPULVEDA
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0007

MOTTA SHELL SERVICE (Continued) **U001563017**

Tank Num:	001
Container Num:	1
Year Installed:	1954
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	003
Container Num:	3
Year Installed:	1959
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Tank Num:	006
Container Num:	6
Year Installed:	Not reported
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/6
Leak Detection:	Stock Inventor, 10

Tank Num:	007
Container Num:	7
Year Installed:	Not reported

MOTTA SHELL SERVICE (Continued) **U001563017**

Tank Capacity:	00000250
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

Click here for Geo Tracker PDF:

F26 **POPKLIN REALTY** **CA UST** **U004261156**
ESE **607 LAIRPORT STREET** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.038 mi.
200 ft. **Site 1 of 5 in cluster F**

Relative: **Lower**
Actual: **108 ft.**

EL SEGUNDO UST:

Name:	POPKLIN REALTY
Address:	607 LAIRPORT STREET
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

F27 **HUGHES AIRCRAFT CO** **CA SWEEPS UST** **S102056622**
ESE **607 LAIRPORT ST** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.038 mi.
200 ft. **Site 2 of 5 in cluster F**

Relative: **Lower**
Actual: **108 ft.**

SWEEPS UST:

Name:	HUGHES AIRCRAFT
Address:	607 LAIRPORT ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	10262
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HUGHES AIRCRAFT CO (Continued) **S102056622**

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO
Address: 607 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010367-010262
Facility Type: Not reported
Facility Status: Closed
Area: 2N
Permit Number: Not reported
Permit Status: Not reported

E28 **MOTTA BROTHERS INC** **EDR Hist Auto** **1022148558**
NW **763 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.038 mi.
201 ft. **Site 2 of 15 in cluster E**

Relative: EDR Hist Auto
Higher

Actual:
126 ft.

Year:	Name:	Type:
1988	MOTTA BROTHERS INC	Gasoline Service Stations

E29 **MOTTA BROTHERS** **CA UST** **U004261145**
NW **763 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.038 mi.
201 ft. **Site 3 of 15 in cluster E**

Relative: EL SEGUNDO UST:
Higher
Name: MOTTA BROTHERS
Actual: Address: 763 N. SEPULVEDA BL.
126 ft. City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Remediation Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

E30
NW
< 1/8
0.040 mi.
212 ft.

CIRCLE K STORE #2709416
765 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

Site 4 of 15 in cluster E

CA CERS HAZ WASTE
CA CERS TANKS
CA HAZNET
CA CERS

S113800508
N/A

Relative:
Higher

Actual:
126 ft.

CERS HAZ WASTE:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 19219
CERS ID: 10206673
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 19219
CERS ID: 10206673
CERS Description: Underground Storage Tank

HAZNET:
Name: CIRCLE K STORE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Year: 2017
GEPAID: CAL000369642
Contact: KRISTI HODGE
Telephone: 9512705153
Mailing Name: Not reported
Mailing Address: 255 E RINCON ST STE 100
Mailing City,St,Zip: CORONA, CA 928790000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Tons: 0.084
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County: Los Angeles

Name: CIRCLE K STORE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Year: 2017
GEPAID: CAL000369642
Contact: KRISTI HODGE
Telephone: 9512705153
Mailing Name: Not reported
Mailing Address: 255 E RINCON ST STE 100
Mailing City,St,Zip: CORONA, CA 928790000
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Tons: 0.0675
CA Waste Code: 352-Other organic solids
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(

CIRCLE K STORE #2709416 (Continued) **S113800508**

	To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles
Name:	CIRCLE K STORE #2709416
Address:	765 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453425
Year:	2016
GEPAID:	CAL000369642
Contact:	KRISTI HODGE
Telephone:	9512705153
Mailing Name:	Not reported
Mailing Address:	255 E RINCON ST STE 100
Mailing City,St,Zip:	CORONA, CA 928790000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	0.0504
CA Waste Code:	134-Aqueous solution with total organic residues less than 10 percent
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles
Name:	CIRCLE K STORE #2709416
Address:	765 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453425
Year:	2016
GEPAID:	CAL000369642
Contact:	KRISTI HODGE
Telephone:	9512705153
Mailing Name:	Not reported
Mailing Address:	255 E RINCON ST STE 100
Mailing City,St,Zip:	CORONA, CA 928790000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.114
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles
Name:	CIRCLE K STORE #2709416
Address:	765 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453425
Year:	2016
GEPAID:	CAL000369642
Contact:	KRISTI HODGE
Telephone:	9512705153
Mailing Name:	Not reported
Mailing Address:	255 E RINCON ST STE 100
Mailing City,St,Zip:	CORONA, CA 928790000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.045
CA Waste Code:	352-Other organic solids
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(

CIRCLE K STORE #2709416 (Continued) **S113800508**

To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 19219
CERS ID: 10206673
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 19219
Site Name: Circle K Stores Inc. Site #2709416
Violation Date: 12-03-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/19/2018. Owner/Operator did not submit and/or maintain a complete and/or accurate UST Operating Permit Application. On California Environmental Reporting System (CERS), the UST Tank Information/Monioring Plan for Tank #2 needs to be updated, the piping in Tank #2 is currently listed as pressurized but it should be listed as "suction". Submit and/or maintain a complete and/or accurate UST Operating Permit Application, including for permit renewal. Facility shall update the UST Tank Information for Tank #2 on CERS and change piping type from pressurized to suction.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 19219
Site Name: Circle K Stores Inc. Site #2709416
Violation Date: 08-19-2014
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to maintain secondary containment, as evidenced by failure of secondary containment testing.
Violation Notes: Returned to compliance on 06/03/2015. Turbine sumps for 87 and 89 failed along with 87 fill sump.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 19219
Site Name: Circle K Stores Inc. Site #2709416
Violation Date: 07-31-2017
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 04/02/2018. 87 master turbine sump failed

CIRCLE K STORE #2709416 (Continued) **S113800508**

functionality testing. This facility has 30 days to repair and retest.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 19219
Site Name: Circle K Stores Inc. Site #2709416
Violation Date: 02-22-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 03/12/2019. Owner/Operator failed to meet one or more of the requirements applicable to overfill prevention equipment. Overfill Prevention equipment consists of audible and visual alarm with flow restriction (ball floats). During routine overfill prevention equipment testing, the flow restrictors failed the test per ICC Certified Technicians Test Report (test date 2/7/19). Facility shall repair overfill prevention system to meet overfill prevention equipment requirements by replacing flow restrictors with regulatory compliant overfill prevention equipment.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 19219
Site Name: Circle K Stores Inc. Site #2709416
Violation Date: 12-03-2018
Citation: 23 CCR 16 2715(a)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(2)
Violation Description: Failure to submit the ?Underground Storage Tank Statement of Understanding and Compliance Form.?
Violation Notes: Returned to compliance on 12/19/2018. Owner/operator failed to submit the ?Underground Storage Tank Statement of Understanding and Compliance Form?. Submit the ?Underground Storage Tank Statement of

CIRCLE K STORE #2709416 (Continued) **S113800508**

	Understanding and Compliance Form?.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the ?Designated Underground Storage Tank Operator Identification Form? within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 12/19/2018. Owner/Operator did not submit the ?Designated Underground Storage Tank Operator Identification Form? to the UPA within 30 days of obtaining or changing the DO. The current form lists Kristi Hodge as the UST Owner contact but Kristi Hodge has not been with the company for more than 30 days. Submit ?Designated Underground Storage Tank Operator Identification Form? to the UPA within 30 days of a change. Update "Designated Underground Storage Tank Operator Identification Form" on CERS to include current contact for UST Owner.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	06-03-2015
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 07/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	06-03-2015
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/13/2015.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

CIRCLE K STORE #2709416 (Continued) **S113800508**

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	01-22-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	02-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 06/05/2019. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Facility is missing Regional Water Quality Control Board (RWQCB) phone number in Emergency Response Plan. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days. Add RWQCB phone number in Emergency Response Plan.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-04-2017
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes:	Returned to compliance on 02/26/2018. Obtain and maintain a valid Operating Permit from the CUPA and/or pay all past due permit fees.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-07-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.

CIRCLE K STORE #2709416 (Continued) **S113800508**

Violation Notes:	Returned to compliance on 12/07/2016. During the inspection liquid was discovered in all spill buckets. Remove liquid from the spill buckets.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 01/30/2019. Owner/Operator did not operate UST system to prevent spills and/or overfills. Facility has two types of overfill prevention systems: flow restrictors (ball floats) and audible & visual/automatic tank gauge (ATG). All ATGs passed overfill prevention inspection but ball floats were not inspected. ATG for 91 Octane UST was set to alarm above 90% of tank capacity at beginning of inspection but was corrected to alarm at or below 90% of tank capacity during inspection. Facility needs to have ball floats inspected. Facility shall have overfill prevention inspection completed on ball floats. ESFD shall witness overfill prevention inspection on ball floats. Submit verification to ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-03-2018
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/19/2018. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents (insurance) expired on 12/1/18. Complete and submit a copy of the financial responsibility by 2/3/19.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	10-16-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 02/26/2018. CUPA permit is expired. This facility has 30 days to obtain a valid CUPA permit.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	19219

CIRCLE K STORE #2709416 (Continued) **S113800508**

Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	02-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/05/2019. The business failed to complete and electronically submit a site map. The following content is not correctly identified on current site map: loading area storm and sewer drains, emergency shut offs (Main Water, Natural Gas, and Electrical), hazardous materials/waste storage areas (CO2 and hazardous waste drums) and emergency response equipment. Complete and electronically submit a site map with all required content.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	12-07-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 12/08/2016. Financial responsibility documents have not been submitted to CERS. Current financial responsibility documents are required to be submitted annually. Complete and submit a copy of the financial responsibility by 1/7/17 to the CERS database.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	19219
Site Name:	Circle K Stores Inc. Site #2709416
Violation Date:	08-19-2014
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 06/03/2015. Fill Buckets did not pass incon test for regular and special gasoline.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	01-22-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	THIS IS THIS FACILITY'S SECOND NOTICE OF VIOLATION. DURING INITIAL SB 989 INSPECTION ON 7/31/17, 87 MASTER TURBINE SUMP FAILED FUNCTIONALITY TESTING. THIS FACILITY HAS 30 DAYS TO REPAIR FAILING COMPONENTS AND RE-TEST.

CIRCLE K STORE #2709416 (Continued) **S113800508**

Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-22-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-22-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	02-23-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witness test for replacement sump sensor in Diesel STP sump. Sensor tested ok.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-05-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	87 MASTER TURBINE SUMP PASSED SB 989 TEST. ALL VIOLATIONS ABATED.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnesses hydrostatic test of the 87 Turbine sump collar after repair and replacement of the tank sump and interstitial sump sensors. The turbine sump passed and the sensors tested ok.

CIRCLE K STORE #2709416 (Continued) **S113800508**

Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Witnessed primary and secondary piping test for new vent piping and turbine sump test, tank changed form 89 octane to diesel.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility needs to provide annual training to the employees.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-06-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility needs to provide annual training to employees
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-11-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite and witnessed the final testing of newly installed flapper valves/overfill prevention equipment on all USTs. All flapper valves passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-31-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	87 master turbine sump failed functionality testing. This facility has 30 days to repair and retest.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-19-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency

CIRCLE K STORE #2709416 (Continued) **S113800508**

Eval Notes:	SB 989 Test conducted and noted Special and Regular tank sumps failed. In addition, spill buckets for same tanks failed incon test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-16-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CUPA permit is expired. This facility has 30 days to obtain a valid CUPA permit.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ESFD witnessed Annual Monitoring Certification, Spill Bucket Test, and Overfill Prevention Inspection. Facility passed Annual Monitoring Certification, Spill Bucket Test, and Overfill Prevention Inspection (for ATGs but not ball floats).
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFICATION PERFORMED BY RICK FROM IDECO INC - ALL CERTS CURRENT REPORT SIGNED BY DENISE PALENCIA ALL COMPONENTS OF THIS UST SYSTEM PASSED FUNCTIONALITY TESTING. THIS FACILITY HAS 30 DAYS TO COMPLY WITH THE FOLLOWING: 1. OBTAIN A VALID CUPA PERMIT TO OPERATE
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-07-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	19219
Facility Name:	Circle K Stores Inc. Site #2709416
Env Int Type Code:	HWG
Program ID:	10206673
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.926480

CIRCLE K STORE #2709416 (Continued) **S113800508**

Longitude: -118.396470

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Yolanda Jones
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(980) 875-1745

Affiliation Type Desc:	Parent Corporation
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	The Motta Family Partnership
Entity Title:	Not reported
Affiliation Address:	1513 E. Elm Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 962-5233

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 250-9300

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street

CIRCLE K STORE #2709416 (Continued) **S113800508**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Robert Velasco
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745
Affiliation Type Desc:	Property Owner
Entity Name:	The Motta Family Partnership
Entity Title:	Not reported
Affiliation Address:	1513 E. Elm Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 962-5233
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	Not reported
Affiliation Zip:	85072
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Robert Velasco
Entity Title:	Agent For Circle K
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator

CIRCLE K STORE #2709416 (Continued) **S113800508**

Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Circle K Stores Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 52085, Attn: Environmental
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85072
Affiliation Phone:	(980) 875-1745

E31
NW
< 1/8
0.040 mi.
212 ft.

MOBIL OIL CO **CA SWEEPS UST** **S102056869**
765 N SEPULVEDA BLVD **CA LOS ANGELES CO. HMS** **N/A**
EL SEGUNDO, CA 90245

Site 5 of 15 in cluster E

Relative:
Higher

Actual:
126 ft.

SWEEPS UST:

Name:	MOBIL OIL CO
Address:	765 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9747
Number:	1
Board Of Equalization:	44-000400
Referral Date:	09-11-89
Action Date:	09-11-89
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009747-000001
Tank Status:	A
Capacity:	10000
Active Date:	09-11-89
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4
Name:	MOBIL OIL CO
Address:	765 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9747
Number:	1
Board Of Equalization:	44-000400
Referral Date:	09-11-89
Action Date:	09-11-89
Created Date:	06-30-89
Owner Tank Id:	Not reported

MOBIL OIL CO (Continued) **S102056869**

SWRCB Tank Id: 19-000-009747-000002
Tank Status: A
Capacity: 10000
Active Date: 09-11-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL OIL CO
Address: 765 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9747
Number: 1
Board Of Equalization: 44-000400
Referral Date: 09-11-89
Action Date: 09-11-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009747-000003
Tank Status: A
Capacity: 10000
Active Date: 09-11-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL OIL CO
Address: 765 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9747
Number: 1
Board Of Equalization: 44-000400
Referral Date: 09-11-89
Action Date: 09-11-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009747-000004
Tank Status: A
Capacity: 10000
Active Date: 09-11-89
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: MOBIL OIL SS 11NJD
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA
Permit Category: T
Facility Id: 014519-015123
Facility Type: 0

MOBIL OIL CO (Continued) **S102056869**

Facility Status: Closed
Area: 2N
Permit Number: 00005839T
Permit Status: Closed

Name: MOBIL OIL SS 11NJD
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA
Permit Category: T
Facility Id: 014519-015123
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 0000T5839
Permit Status: Closed

Name: MOBIL OIL SERVICE STATION
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 902453425
Region: LA
Permit Category: I
Facility Id: 014519-028277
Facility Type: 02
Facility Status: Closed
Area: 2N
Permit Number: 000260797
Permit Status: Closed

E32 **CIRCLE K STORES INC. SITE #2709416** **CA UST** **U003782145**
NW **765 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 6 of 15 in cluster E**

Relative:
Higher

Actual:
126 ft.

EL SEGUNDO UST:
Name: CIRCLE K STORES INC., SITE #2709416
Address: 765 N. SEPULVEDA BL
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Motort vehicle fueling
CERT Number: 03426
Permit Number: 30-0121

Tank Number: 000001
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: 000002
Tank Status: Change of Information
Tank Content: Midgrade unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

CIRCLE K STORES INC. SITE #2709416 (Continued) **U003782145**

Tank Number: 000003
Tank Status: Change of Information
Tank Content: Premium unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: 000004
Tank Status: Change of Information
Tank Content: Regular unleaded
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/07/2009

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

UST:
Name: CIRCLE K STORES INC. SITE #2709416
Address: 765 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 33.92648
Longitude: -118.39647

Name: MOBIL OIL CORPORATION, 11-NJD
Address: 765 N. SEPULVEDA BL
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300121
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9278568
Longitude: -118.3954299

E33 **CIRCLE K STORE #2709416** **RCRA NonGen / NLR** **1024831998**
NW **765 N SEPULVEDA BLVD** **CAL000369642**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 7 of 15 in cluster E**

Relative:
Higher

Actual:
126 ft.

RCRA NonGen / NLR:

Date form received by agency:	2011-12-05 00:00:00.0
Facility name:	CIRCLE K STORE #2709416
Facility address:	765 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-3425
EPA ID:	CAL000369642
Mailing address:	255 E RINCON ST STE 100 CORONA, CA 92879-0000
Contact:	KRISTI HODGE
Contact address:	255 E. RINCON ST. SUITE 100 CORONA, CA 92879
Contact country:	Not reported
Contact telephone:	951-270-5153
Contact email:	KHODGE@CIRCLEK.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KRISTI HODGE
Owner/operator address:	255 E. RINCON ST. SUITE 100 CORONA, CA 92879
Owner/operator country:	Not reported
Owner/operator telephone:	951-270-5153
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CIRCLE K STORES INC
Owner/operator address:	255 E RINCON ST STE 100 CORONA, CA 92879
Owner/operator country:	Not reported
Owner/operator telephone:	951-270-5153
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CIRCLE K STORE #2709416 (Continued) **1024831998**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

E34 **MOTTA BROTHERS INC** **EDR Hist Auto** **1020623274**
NW **765 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.040 mi.
212 ft. **Site 8 of 15 in cluster E**

Relative: EDR Hist Auto
Higher

Actual:
126 ft.

Year:	Name:	Type:
1969	MOTTA BROTHERS INC	Gasoline Service Stations
1970	MOTTA BROTHERS INC	Gasoline Service Stations
1971	MOTTA BROTHERS INC	Gasoline Service Stations
1972	MOTTA BROTHERS INC	Gasoline Service Stations
1973	MOTTA BROTHERS INC	Gasoline Service Stations
1974	MOTA BROTHERS INC	Gasoline Service Stations
1975	MOTA BROTHERS INC	Gasoline Service Stations
1976	MOTTA BROTHERS INC	Gasoline Service Stations
1977	MOTTA BROTHERS INC	Gasoline Service Stations
1978	MOTTA BROTHERS INC	Gasoline Service Stations
1979	MOTTA BROTHERS INC	Gasoline Service Stations
1980	MOTTA BROTHERS INC	Gasoline Service Stations
1982	MOTTA BROTHERS INC	Gasoline Service Stations
1983	MOTTA BROTHERS INC	Gasoline Service Stations
1985	MOTTA BROTHERS INC	Gasoline Service Stations
1986	MOTTA BROTHERS INC	Gasoline Service Stations
1987	MOTTA BROTHERS INC	Gasoline Service Stations
2007	EXXON MOBIL CORPORATION	Convenience Stores
2008	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2009	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2010	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2011	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2012	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC
2013	EXXON MOBIL CORPORATION	Gasoline Service Stations, NEC

D35 **UNION OIL SERVICE STATION LEAS** **CA HIST UST** **1000166810**
SSW **603 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 3 of 8 in cluster D**

Relative: HIST UST:
Higher

Name:	UNION OIL SERVICE STATION LEAS
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00028183

Actual:
129 ft.

UNION OIL SERVICE STATION LEAS (Continued) **1000166810**

URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028183.pdf
Region:	STATE
Facility ID:	00000055375
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JALIL MAJDI
Telephone:	2136151015
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	5866-00
Year Installed:	Not reported
Tank Capacity:	00000607
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

D36 **AIRPORT 5 STAR** **CA UST** **U003937459**
SSW **603 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 4 of 8 in cluster D**

Relative: **Higher**
Actual: **129 ft.**

EL SEGUNDO UST:

Name:	AIRPORT 76/CONOCOPHILLIPS COMPANY #255866
Address:	603 N. SEPULVEDA BL.
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	15651
Permit Number:	30-0140
Tank Number:	000001
Tank Status:	Change of Information
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	09/23/2008
Tank Number:	000002
Tank Status:	Change of Information
Tank Content:	Premium unleaded
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	09/23/2008
Tank Number:	000003
Tank Status:	UST Removal
Tank Content:	Not reported
Other Contents:	Not reported

AIRPORT 5 STAR (Continued) **U003937459**

Active: Change of information
Date Inspected: 09/23/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

UST:
Name: AIRPORT 5 STAR
Address: 603 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 33.9238
Longitude: -118.39647

Name: AIRPORT UNION 76, TOSCO SS #5866
Address: 603 N. SEPULVEDA BL.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300140
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.9252479
Longitude: -118.3954013

D37 **AIRPORT 5 STAR** **CA CERS TANKS** **S113111418**
SSW **603 N SEPULVEDA BLVD** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.047 mi.
247 ft. **Site 5 of 8 in cluster D**

Relative: **Higher**
Actual: **129 ft.**

CERS TANKS:
Name: AIRPORT 5 STAR
Address: 603 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 384457
CERS ID: 10454284
CERS Description: Underground Storage Tank

AIRPORT 5 STAR (Continued) **S113111418**

HAZNET:

Name:	JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453423
Year:	2005
GEPAID:	CAL000220932
Contact:	HOWARD RAHGOSHAY-MGR
Telephone:	3106151015
Mailing Name:	Not reported
Mailing Address:	603 N SEPULVEDA BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902453423
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	0.76
CA Waste Code:	221-Waste oil and mixed oil
Method:	R01-Recycler
Facility County:	Los Angeles

Name:	JAY TAAT & BANOO TAAT DBA AIRPORT 76 INC
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902453423
Year:	2001
GEPAID:	CAL000220932
Contact:	HOWARD RAHGOSHAY-MGR
Telephone:	3106151015
Mailing Name:	Not reported
Mailing Address:	603 N SEPULVEDA BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 902453423
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0
CA Waste Code:	221-Waste oil and mixed oil
Method:	R01-Recycler
Facility County:	Los Angeles

CERS:

Name:	AIRPORT 5 STAR
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	384457
CERS ID:	10454284
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 04/02/2018. Perform annual monitoring certification and submit copy of the annual Monitoring System Certification to the CUPA.
Violation Division:	El Segundo City Fire Department

AIRPORT 5 STAR (Continued) **S113111418**

Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 11-03-2016
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 03/08/2017. The tester is unable to remove the interstitial sensor for Tank #2 (91 Octane), it could not be tested and certified. Repair the tank system to allow for the free and unfettered removal of the interstitial sensor.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 11-14-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 07/10/2018. The facility does not have an active I D number. Cancel the number with DTSC or have it activated. Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 01-22-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 04/02/2018. Have a properly qualified service technician test leak detection equipment annually.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 11-03-2016
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

AIRPORT 5 STAR (Continued) **S113111418**

Violation Notes:	Returned to compliance on 03/08/2017. The CERS submittal for the tanks is incorrect. The following needs to be updated: - The Tank Manufacturer is Owens Corning for both tanks. The tanks are Joor tanks. Revise the Tank Manufacturer in CERS for Tanks 1 and 2. - The Vent Secondary Piping is incorrect. It is identified as double-walled in CERS and is single-walled fiberglass piping. Revise Vent Secondary Piping in CERS to None for Tanks 1 and 2. - The UDC Construction Material is identified as fiberglass in CERS. The UDCs are steel construction. Revise the UDC Construction Material in CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	09-13-2017
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 04/02/2018. 87 AND 91 PRODUCT PIPING FAILED FUCTIONALITY TESTING DUE TO TORN BOOTS (VISUAL FAILURE). THIS FACILITY HAS THIRTY DAYS TO CORRECT THIS VIOLATION.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	12-27-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 04/02/2018. Submit secondary containment test results to the CUPA within 30 days after the test.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the turbine sump to be continuously monitored with a system that activates an audible and visual alarm or restricts or stops flow at dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 11/06/2015. Condensate was found in the Tank #2 piping sump. It was removed at the start of the inspection.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457

AIRPORT 5 STAR (Continued) **S113111418**

Site Name: Airport 5 Star
Violation Date: 11-06-2015
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain leak detection alarm logs and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 04/25/2016. Sensor L-2 had a fuel alarm on 1/10/15 and Sensor L-5 had a fuel alarm on 9/16/15. Repair records were not on site.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 08-05-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/16/2015. Propane and CO2 are missing from the inventory and exceed reporting threshold of 200 cubic feet.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 01-22-2018
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes: Returned to compliance on 04/02/2018. Submit secondary containment test results to the CUPA within 30 days after the test.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 12-27-2017
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Returned to compliance on 04/02/2018. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 04-04-2018

AIRPORT 5 STAR (Continued) **S113111418**

Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 07/10/2018. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Complete and submit a copy of the financial responsibility by [date, 30 days from now].
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	01-22-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 04/02/2018. Complete spill bucket testing and submit test results.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 05/09/2016. The CERS submittal does not include date installed, correct primary piping type or dispenser pan type and monitoring.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-08-2019
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 04/08/2019. Owner/Operator did not continuously monitor the interstitial space of the USTs such that the leak detection activates an audible/visual alarm when a leak is detected. The annular space sensor of the 91-fuel UST failed initial testing during annual monitoring certification. Continuously monitor the interstitial space of the USTs such that the leak detection equipment activates an audible/visual alarm when a leak is detected. The sensor for the annular space of the 91-fuel UST was replaced and passed test during inspection. No further action is required.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST

AIRPORT 5 STAR (Continued) **S113111418**

Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	04-02-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 04/06/2018. The 91 octane fill bucket failed the annual spill bucket test. Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-03-2016
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes:	Returned to compliance on 03/08/2017. The employees have not received annual training. Provide annual training to all employees.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	384457
Site Name:	Airport 5 Star
Violation Date:	11-06-2015
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 11/06/2015. The Bravo floats in the dispenser pan for dispensers 5/6 were out of adjustment.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST

AIRPORT 5 STAR (Continued) **S113111418**

Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 08-05-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 11/06/2015. Failed to include financial responsibility forms through CERS
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 08-05-2014
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 09/19/2015. Forms A, B, D, and E are required to be submitted electronically through CERS.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 04-08-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 06/10/2019. Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". A copy of the most recent, covering the last 12-months, Facility Employee Training Certificate could not be provided by the facility during the inspection. Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18. The facility shall provide a copy of the Facility Employee Training Certificate completed within the last 12 months to the ESFD.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 11-06-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16,

AIRPORT 5 STAR (Continued) **S113111418**

Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 11/06/2015. The monitoring system was due for certification in August, 2015
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 384457
Site Name: Airport 5 Star
Violation Date: 08-05-2014
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 05/09/2016. Failed to provide applicable forms through CERS portal.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-22-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: THIS IS A NOTICE OF VIOLATION. THIS FACILITY'S ANNUAL MONITORING CERTIFICATION IS PAST DUE. THIS FACILITY HAS 30 DAYS TO PERFORM ANNUAL MONITORING CERTIFICATION.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 02-18-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Interstitial sensor in Tank #2 (91 Octane) not tested, employee training records not available for inspection and information not updated in CERS.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed secondary containment testing. The tank, sumps UDCs and piping passed.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-04-2018

AIRPORT 5 STAR (Continued) **S113111418**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SB 989 test performed at same time as annual monitoring system certification.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-08-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On 4/8/19, the ESFD witnessed the Annual Monitoring Certificate, Overfill Prevention Equipment Test, and Spill Bucket Test. The annular sensor for the 91-fuel UST did not pass initial test but was replaced during inspection. Overfill Prevention Equipment passed and Spill bucket passed.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-05-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inventory does not include 2 500 gallon propane tanks outside north fenceline and liquid CO2 inside office area in store.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-05-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Monitoring Certification conducted with Emery Shen. Noted sensor for premium fill sump was lying sideways at bottom of sump.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-07-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	NOTED: CO2 DEWAR; NO VIOLATIONS NOTED.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-13-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SB 989 TEST PERFORMED BY C&H FUELS VR TLS 350; 208 SENSORS; STP MLLD; Float and Chain UDC; SPILL BUCKETS
Eval Division:	El Segundo City Fire Department

AIRPORT 5 STAR (Continued) **S113111418**

Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The turbine sump roadway covers and the fill sump roadway covers do not secure, the clamps do not close. The covers should be repaired or replaced.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Violations identified during inspection. Condensate in Tank 2 piping sump removed and floats adjusted in dispenser pan 5/6
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The facility is not generating hazardous waste, but still has hazardous waste marked on the CERS Activity form. Must change form or keep permit with the CUPA.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-27-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	THIS IS THIS FACILITY'S SECOND NOTICE OF VIOLATION. THIS FACILITY HAS THIRTY DAYS TO CORRECT THE FOLLOWING VIOLATIONS. 1.ON 9/13/17 87 AND 91 PRODUCT PIPING FAILED SB 989 TESTING DUE TO TORN BOOTS (VISUAL FAILURE). 2. ESFD CUPA HAS YET TO RECEIVE 9/13/2017 SB 989 TEST RESULTS
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

AIRPORT 5 STAR (Continued) **S113111418**

Coordinates:
- Site ID: 384457
- Facility Name: Airport 5 Star
- Env Int Type Code: HMBP
- Program ID: 10454284
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.
- Latitude: 33.923800
- Longitude: -118.396470

Affiliation:
- Affiliation Type Desc: Legal Owner
- Entity Name: Shaun Sanieoff
- Entity Title: Not reported
- Affiliation Address: 603 N Sepulveda Blvd
- Affiliation City: El Segundo
- Affiliation State: CA
- Affiliation Country: United States
- Affiliation Zip: 90245
- Affiliation Phone: (310) 615-1015

- Affiliation Type Desc: UST Property Owner Name
- Entity Name: AIRPORT 5 STAR
- Entity Title: Not reported
- Affiliation Address: 603 N SEPULVEDA BLVD
- Affiliation City: EL SEGUNDO
- Affiliation State: CA
- Affiliation Country: United States
- Affiliation Zip: 90245
- Affiliation Phone: (310) 877-3958

- Affiliation Type Desc: UST Tank Operator
- Entity Name: AIRPORT 5 STAR
- Entity Title: Not reported
- Affiliation Address: 603 N SEPULVEDA BLVD
- Affiliation City: EL SEGUNDO
- Affiliation State: CA
- Affiliation Country: United States
- Affiliation Zip: 90245
- Affiliation Phone: (310) 877-3958

- Affiliation Type Desc: CUPA District
- Entity Name: El Segundo City Fire Department
- Entity Title: Not reported
- Affiliation Address: 314 Main Street
- Affiliation City: El Segundo
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 90245
- Affiliation Phone: (310) 524-2395

- Affiliation Type Desc: Document Preparer
- Entity Name: Shaun Sanieoff
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported

AIRPORT 5 STAR (Continued) **S113111418**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Shaun Sanieoff
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	SHAWN SANIEOFF
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 877-3958
Affiliation Type Desc:	UST Tank Owner
Entity Name:	AIRPORT 5 STAR
Entity Title:	Not reported
Affiliation Address:	603 N SEPULVEDA BLVD
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 877-3958
Affiliation Type Desc:	Environmental Contact
Entity Name:	Shaun Sanieoff
Entity Title:	Not reported
Affiliation Address:	603 N Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Shaun Sanieoff
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 615-1015
Affiliation Type Desc:	Parent Corporation
Entity Name:	AIRPORT 5 STAR

AIRPORT 5 STAR (Continued) **S113111418**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	603 N Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

D38
SSW
< 1/8
0.047 mi.
247 ft.

SERVICE STATION 5866
603 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

CA SWEEPS UST **U001563025**
CA HIST UST **N/A**

Site 6 of 8 in cluster D

Relative:
Higher

Actual:
129 ft.

SWEEPS UST:

Name:	UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address:	603 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	9969
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009969-000001
Tank Status:	Not reported
Capacity:	9950
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4
Name:	UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address:	603 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	9969
Number:	Not reported
Board Of Equalization:	44-001057
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009969-000002

SERVICE STATION 5866 (Continued) **U001563025**

Tank Status: Not reported
Capacity: 9950
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address: 603 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 9969
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009969-000003
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL 76 SERVICE STATION 5866/ C/O JALIL MAJDI
Address: 603 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 9969
Number: Not reported
Board Of Equalization: 44-001057
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009969-000004
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: SERVICE STATION 5866
Address: 603 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000007640
Facility Type: Gas Station

SERVICE STATION 5866 (Continued) **U001563025**

Other Type:	Not reported
Contact Name:	JALIL MAJDI
Telephone:	2136151015
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0003
Tank Num:	001
Container Num:	5866-4
Year Installed:	1966
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	5866-2
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	5866-1
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

D39 **TOSCO CORPORATION STATION #31004** **CA HIST UST** **S113076021**
SSW **603 N SEPULVEDA BLVD** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 7 of 8 in cluster D**

Relative: HIST UST:
Higher

Actual: Name:	SERVICE STATION 5866
129 ft. Address:	603 NO SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00028FEF
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028FEF.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2002
GEPAID:	CAL000139100
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	4.08
CA Waste Code:	343-Unspecified organic liquid mixture
Method:	R01-Recycler
Facility County:	Los Angeles

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2002
GEPAID:	CAL000139100
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.231
CA Waste Code:	135-Unspecified aqueous solution
Method:	T01-Treatment, Tank
Facility County:	Los Angeles

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2001
GEPAID:	CAL000139100
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085

TOSCO CORPORATION STATION #31004 (Continued) **S113076021**

Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.231
CA Waste Code:	135-Unspecified aqueous solution
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAL000139100
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.0015
CA Waste Code:	291-Latex waste
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	TOSCO CORPORATION STATION #31004
Address:	603 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2000
GEPAID:	CAL000139100
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.231
CA Waste Code:	134-Aqueous solution with total organic residues less than 10 percent
Method:	H01-Transfer Station
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

D40 **WITT JIM UNION SERVICE** **EDR Hist Auto** **1021419451**
SSW **603 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.047 mi.
247 ft. **Site 8 of 8 in cluster D**

Relative: EDR Hist Auto
Higher

Actual:
129 ft.

Year:	Name:	Type:
1970	LEE JAMES M	Gasoline Service Stations
1971	LEE JAMES M	Gasoline Service Stations
1971	WITT JIM UNION SERVICE	Gasoline Service Stations
1972	WITT JIM UNION SERVICE	Gasoline Service Stations
1972	LEE JAMES M	Gasoline Service Stations
1973	LEE JAMES M	Gasoline Service Stations
1973	WITT JIM UNION SERVICE	Gasoline Service Stations
1974	WITT JIM UNION SERVICE	Gasoline Service Stations
1974	LEE JAMES M	Gasoline Service Stations
1975	LEE JAMES M	Gasoline Service Stations
1976	WITT JIM UNION SERVICE	Gasoline Service Stations
1977	WITT JIM UNION SERVICE	Gasoline Service Stations
1978	WITT JIM UNION SERVICE	Gasoline Service Stations
1979	WITT JIM UNION SERVICE	Gasoline Service Stations
1986	AIRPORT UNION	General Automotive Repair Shops
1987	AIRPORT UNION	Gasoline Service Stations
1988	AIRPORT UNION	Gasoline Service Stations
1989	AIRPORT UNION	Gasoline Service Stations, NEC
1990	AIRPORT UNION	Gasoline Service Stations, NEC
1991	AIRPORT UNION 76	Gasoline Service Stations
1992	AIRPORT UNOCAL	Gasoline Service Stations
1993	AIRPORT UNOCAL	Gasoline Service Stations
1994	AIRPORT UNOCAL	Gasoline Service Stations
1995	AIRPORT UNOCAL	Gasoline Service Stations
1996	AIRPORT UNOCAL	Gasoline Service Stations
1997	AIRPORT UNOCAL	Gasoline Service Stations
1998	AIRPORT UNOCAL	Gasoline Service Stations
1999	AIRPORT UNOCAL	Gasoline Service Stations
2000	AIRPORT UNOCAL	Gasoline Service Stations
2001	AIRPORT UNOCAL	Gasoline Service Stations
2002	AIRPORT UNOCAL	Gasoline Service Stations
2003	AIRPORT 76	Gasoline Service Stations
2004	AIRPORT 76	Gasoline Service Stations
2005	AIRPORT 76	Gasoline Service Stations
2006	AIRPORT 76	Gasoline Service Stations
2007	UNITED AUTO SERVICE	General Automotive Repair Shops
2007	AIRPORT 76	Gasoline Service Stations
2008	AIRPORT 76	Gasoline Service Stations
2008	UNITED AUTO SERVICE	General Automotive Repair Shops
2009	L A X AUTO SERVICE	General Automotive Repair Shops
2009	AIRPORT 76	Gasoline Service Stations
2010	AIRPORT FIVE STAR INC	Gasoline Service Stations
2010	AIRPORT 76	Gasoline Service Stations
2010	L A X AUTO SERVICE	General Automotive Repair Shops
2011	PENSKE AUTOMOTIVE GROUP	General Automotive Repair Shops
2011	L A X AUTO SERVICE	General Automotive Repair Shops
2011	AIRPORT FIVE STAR INC	Gasoline Service Stations
2011	AIRPORT 76	Gasoline Service Stations
2012	L A X AUTO SERVICE	General Automotive Repair Shops
2012	AIRPORT 76	Gasoline Service Stations

WITT JIM UNION SERVICE (Continued) **1021419451**

2012	AIRPORT FIVE STAR INC	Gasoline Service Stations
2013	AIRPORT FIVE STAR INC	Gasoline Service Stations
2013	AIRPORT 76	Gasoline Service Stations
2013	L A X AUTO SERVICE	General Automotive Repair Shops
2014	L A X AUTO SERVICE	General Automotive Repair Shops
2014	AIRPORT 76	Gasoline Service Stations
2014	AIRPORT FIVE STAR INC	Gasoline Service Stations

E41
NNW
< 1/8
0.048 mi.
256 ft.

BOB'S UNION 76 **CA UST** **U004261081**
770 N. SEPULVEDA BLVD, **N/A**
EL SEGUNDO, CA

Site 9 of 15 in cluster E

Relative: Higher
Actual: 124 ft.

EL SEGUNDO UST:

Name:	BOB'S UNION 76
Address:	770 N. SEPULVEDA BLVD,
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	30-0017
Tank Number:	Not reported
Tank Status:	Open Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

E42
NNW
< 1/8
0.048 mi.
256 ft.

BOB'S UNION (STA 4613) **RCRA NonGen / NLR** **1024790932**
770 N SEPULVEDA BLVD **CAL000094560**
EL SEGUNDO, CA 90245

Site 10 of 15 in cluster E

Relative: Higher
Actual: 124 ft.

RCRA NonGen / NLR:

Date form received by agency:	1993-07-12 00:00:00.0
Facility name:	BOB'S UNION (STA 4613)
Facility address:	770 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-0000
EPA ID:	CAL000094560
Contact:	ARA KIZIRIAN
Contact address:	770 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-0000
Contact country:	Not reported
Contact telephone:	310-466-1172
Contact email:	BOBSUNION@YAHOO.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ARA KIZIRIAN
Owner/operator address:	770 N SEPULVEDA BLVD EL SEGUNDO, CA 90245

BOB'S UNION (STA 4613) (Continued) **1024790932**

Owner/operator country: Not reported
Owner/operator telephone: 310-466-1172
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BOB KIZIRIAN
Owner/operator address: 2217 WARFIELD AVE
REDONDO BEACH, CA 90278
Owner/operator country: Not reported
Owner/operator telephone: 310-640-0970
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

E43 **SERVICE STATION 4613** **CA HIST UST** **U001563024**
NNW **770 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 11 of 15 in cluster E**

Relative:
Higher

Actual:
124 ft.

HIST UST:
Name: SERVICE STATION 4613
Address: 770 N SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00029186
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029186.pdf
Region: STATE
Facility ID: 00000017466
Facility Type: Gas Station
Other Type: Not reported

SERVICE STATION 4613 (Continued) **U001563024**

Contact Name:	Not reported
Telephone:	2136400970
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0004
Tank Num:	001
Container Num:	4613-3
Year Installed:	1982
Tank Capacity:	00009728
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	4613-4
Year Installed:	1975
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	4613-2
Year Installed:	1975
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	4613-1
Year Installed:	1975
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

Click here for Geo Tracker PDF:

E44 **KIZIRIAN BOB** **EDR Hist Auto** **1021164765**
NNW **770 N SEPULVEDA** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 12 of 15 in cluster E**

Relative: EDR Hist Auto
Higher

Actual: **124 ft.**

Year:	Name:	Type:
1969	BAILEY CHARLES F	Gasoline Service Stations
1970	BAILEY CHARLES F	Gasoline Service Stations
1971	BAILEY CHARLES F	Gasoline Service Stations
1972	BAILEY CHARLES F	Gasoline Service Stations

KIZIRIAN BOB (Continued) **1021164765**

1973	BAILEY CHARLES F	Gasoline Service Stations
1980	KIZIRIAN BOB	Gasoline Service Stations
1982	KIZIRIAN BOB	Gasoline Service Stations
1983	KIZIRIAN BOB	Gasoline Service Stations
1985	KIZIRIAN BOB	Gasoline Service Stations
1986	KIZIRIAN BOB	Gasoline Service Stations
1987	KIZIRIAN BOB	Gasoline Service Stations
1988	KIZIRIAN BOB	Gasoline Service Stations
1989	KIZIRIAN BOB	Gasoline Service Stations
1990	KIZIRIAN BOB	Gasoline Service Stations
1991	KIZIRIAN BOB	Gasoline Service Stations
1992	KIZIRIAN BOB	Gasoline Service Stations
1993	KIZIRIAN BOB	Gasoline Service Stations
1994	KIZIRIAN BOB	Gasoline Service Stations
1995	BOBS UNION	Gasoline Service Stations
1996	BOBS UNION	Gasoline Service Stations
1997	BOBS UNION INC	Gasoline Service Stations
1998	AVIATION AUTO	General Automotive Repair Shops
1998	BOBS UNION INC	Gasoline Service Stations
1999	AVIATION AUTO	General Automotive Repair Shops
1999	BOBS UNION INC	Gasoline Service Stations
2000	AVIATION AUTO	General Automotive Repair Shops
2000	BOBS UNION INC	Gasoline Service Stations
2001	AVIATION AUTO	General Automotive Repair Shops
2001	BOBS UNION INC	Gasoline Service Stations
2002	BOBS UNION INC	Gasoline Service Stations
2002	AVIATION AUTO	General Automotive Repair Shops
2003	AVIATION AUTO	General Automotive Repair Shops
2003	BOBS UNION INC	Gasoline Service Stations
2004	AVIATION AUTO	General Automotive Repair Shops
2004	BOBS UNION INC	Gasoline Service Stations
2005	AVIATION AUTO	General Automotive Repair Shops
2005	BOBS UNION INC	Gasoline Service Stations
2006	AVIATION AUTO	General Automotive Repair Shops
2006	BOBS UNION INC	Gasoline Service Stations
2007	AVIATION AUTO	General Automotive Repair Shops
2007	BOBS UNION INC	Gasoline Service Stations
2008	BOBS UNION INC	Gasoline Service Stations
2008	AVIATION AUTO	General Automotive Repair Shops
2009	BOBS UNION INC	Gasoline Service Stations
2010	BOBS UNION INC	Gasoline Service Stations
2011	BOBS UNION INC	Gasoline Service Stations
2012	BOBS UNION INC	Gasoline Service Stations
2013	BOBS UNION INC	Gasoline Service Stations
2014	BOBS UNION INC	Gasoline Service Stations

E45 **UNOCAL #4613** **CA LUST** **S101896984**
NNW **770 SEPULVEDA BLVD N** **CA SWEEPS UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA LOS ANGELES CO. HMS**
0.048 mi. **CA CERS**
256 ft. **Site 13 of 15 in cluster E**

Relative: **Higher**
Actual: **124 ft.**

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-09970
Status:	Case Closed

UNOCAL #4613 (Continued) **S101896984**

Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603792957	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/28/1991
Date Leak Record Entered:	10/31/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/15/1998
Date the Case was Closed:		2/6/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9688.963672795917727640799964
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		12/2/1994
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		51
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	76 PRODUCTS COMPANY	
RP Address:	P.O. BOX 25376, SANTA ANA CA 92799-5376	
Program:	LUST	
Lat/Long:	33.926637 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	01/23/97 QUARTERLY MONITORING REPORT; 04/10/97 WELL ABANDONMENT RPT; 09/30/97 QTRLY MON RPT; 02/09/98 RESULTS OF A SOIL GAS SURVEY	

LUST:
Name: UNOCAL #4613

UNOCAL #4613 (Continued) **S101896984**

Address:	770 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603792957
Global Id:	T0603792957
Latitude:	33.9266999
Longitude:	-118.395924
Status:	Completed - Case Closed
Status Date:	02/06/1997
Case Worker:	YR
RB Case Number:	I-09970
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603792957
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603792957
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603792957
Action Type:	Other
Date:	01/28/1991
Action:	Leak Reported

LUST:

Global Id:	T0603792957
Status:	Open - Case Begin Date
Status Date:	01/28/1991

Global Id:	T0603792957
Status:	Open - Site Assessment
Status Date:	12/02/1994

Global Id:	T0603792957
Status:	Completed - Case Closed
Status Date:	02/06/1997

UNOCAL #4613 (Continued) **S101896984**

SWEEPS UST:

Name:	UNOCAL CORP SS 4613
Address:	770 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9970
Number:	9
Board Of Equalization:	44-001057
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009970-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	4

Name:	UNOCAL CORP SS 4613
Address:	770 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9970
Number:	9
Board Of Equalization:	44-001057
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009970-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	UNOCAL CORP SS 4613
Address:	770 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9970
Number:	9
Board Of Equalization:	44-001057
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009970-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN

UNOCAL #4613 (Continued) **S101896984**

STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 9970
Number: 9
Board Of Equalization: 44-001057
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009970-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: UNOCAL CORP SS 4613
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010104-009970
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00001408T
Permit Status: Closed

Name: TOSCO/UNOCAL #30687
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010104-024655
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000190124
Permit Status: Closed

CERS:
Name: UNOCAL #4613
Address: 770 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 204597
CERS ID: T0603792957
CERS Description: Leaking Underground Storage Tank Cleanup Site

UNOCAL #4613 (Continued) **S101896984**

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E46 **TOSCO CORPORATION, SS # 4613** **CA UST** **U003942310**
NNW **770 N.SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.048 mi.
256 ft. **Site 14 of 15 in cluster E**

Relative: **Higher**

Actual: **124 ft.**

EL SEGUNDO UST:

Name:	BOB'S UNION / CONOCOPHILLIPS CO
Address:	770 N. SEPULVEDA BL.
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	03412
Permit Number:	30-0017
Tank Number:	000001
Tank Status:	Change of Information
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	01/03/2008
Tank Number:	000002
Tank Status:	Change of Information
Tank Content:	Premium unleaded
Other Contents:	Not reported
Active:	Change of information
Date Inspected:	01/03/2008
Tank Number:	000003
Tank Status:	Change of Information
Tank Content:	Petroleum blend fuel
Other Contents:	Not reported

TOSCO CORPORATION, SS # 4613 (Continued) **U003942310**

Active: Change of information
Date Inspected: 01/03/2008

Tank Number: 000004
Tank Status: Change of Information
Tank Content: Other petroleum
Other Contents: Not reported
Active: Change of information
Date Inspected: 01/03/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

UST:
Name: TOSCO CORPORATION, SS # 4613
Address: 770 N.SEPULVEDA BL.
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 300017
Permitting Agency: EL SEGUNDO, CITY OF
Latitude: 33.928066
Longitude: -118.3945247

E47 **UNION OIL 4613** **CA CERS HAZ WASTE** **1000166895**
NNW **770 N SEPULVEDA BLVD** **CA HIST UST** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS TANKS**
0.048 mi. **CA CERS**
256 ft. **Site 15 of 15 in cluster E**

Relative: Higher
Actual: 124 ft.

CERS HAZ WASTE:
Name: BOB'S UNION, INC.
Address: 770 N PACIFIC COAST HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 12920
CERS ID: 10417963
CERS Description: Hazardous Waste Generator

HIST UST:
Name: UNION OIL 4613
Address: 770 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 000283A1
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000283A1.pdf
Region: STATE

UNION OIL 4613 (Continued) **1000166895**

Facility ID:	00000061004
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	BOB'S UNION INC.
Telephone:	2136400970
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	4613-00
Year Installed:	Not reported
Tank Capacity:	00000607
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

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CERS TANKS:

Name:	BOB'S UNION, INC.
Address:	770 N PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12920
CERS ID:	10417963
CERS Description:	Underground Storage Tank

CERS:

Name:	BOB'S UNION, INC.
Address:	770 N PACIFIC COAST HWY
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	12920
CERS ID:	10417963
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-29-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 08/03/2015. The sensors for the Veeder Root monitoring system are reporting alarms audibly, on the display and printing. The Alarm light is lit continuously.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23,

UNION OIL 4613 (Continued) **1000166895**

	Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 07/26/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/06/2017. Provide adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/20/2017. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 07/26/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-25-2017
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of

UNION OIL 4613 (Continued) **1000166895**

	Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 08/10/2017. Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Provide current Financial Responsibility document and proof of insurance to CERS.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 10/31/2017. The generator does not have an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description:	Failure to provide employees with hazardous waste training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility.
Violation Notes:	Returned to compliance on 11/20/2017. Conduct training with applicable personnel and document it according to the requirements of 22 CCR 15 66265.16(d). Submit a copy of the documentation to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	10-04-2017
Citation:	22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description:	Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes:	Returned to compliance on 11/20/2017. hazardous waste manifests provided do not display generator's California EPA ID number Contact the DTSC to make necessary corrections to the manifests and submit a copy to the CUPA.

UNION OIL 4613 (Continued) **1000166895**

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-26-2016
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 07/26/2016.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-26-2016
Citation: HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description: Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes: Returned to compliance on 10/03/2016. Dispenser pan 3/4 visual failure due to cracked electrical rubber penetrations.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-30-2019
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Title 23, Section 2716 (e)- requires the UST Owner/Operator acknowledge the identified compliance issues on a Monthly DO Inspection Report by signing the DO Inspection Report. The Monthly DO Inspection Reports for January 2019, February 2019, May 2019, June 2019, and July 2019 were observed without the UST Owner/Operator signature. Moving forward the UST Owner/Operator shall sign and fill out Sections V and VI of Appendix XIII (Monthly DO Inspection Reports) within 48 hours of receiving the DO Inspection Report.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-24-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 10/10/2014. Forms submitted through CERS did not include all tanks at site.

UNION OIL 4613 (Continued) **1000166895**

Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-01-2013
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 10/10/2014. CERS data needs to be submitted.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-01-2013
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 10/10/2014. Operator has identified DO.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-24-2014
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes:	Returned to compliance on 10/10/2014. List of trained employees went back to 2012/2013.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	12920
Site Name:	Bob's Union, Inc.
Violation Date:	07-26-2016
Citation:	HSC 6.7 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c), 25290.2(c), 25291(a)(2), 25292(e)
Violation Description:	Failure to maintain secondary containment (e.g. failure of secondary containment testing).
Violation Notes:	Returned to compliance on 10/03/2016. 87 product line failure due to dispenser pan 7/8 and a bravo nut.

UNION OIL 4613 (Continued) **1000166895**

Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 07-30-2019
Citation: HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes: Secondary containment has not been properly maintained as evidenced by failed secondary containment testing for the secondary containment piping of 87 tank (regular fuel). UDC #1/#2 also had a visual failure result during secondary containment testing. Repair secondary containment as needed and retest. Notify CUPA of testing and submit results.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 12920
Site Name: Bob's Union, Inc.
Violation Date: 10-04-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/20/2017. Reportable quantities of Propane need to be included in chemical inventory Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed soil sampling for new diesel service at 5/6 dispenser.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed primary piping pneumatic test for new diesel dispensing at dispensers 5/6. Piping passed test.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

UNION OIL 4613 (Continued) **1000166895**

Eval General Type:	Other/Unknown
Eval Date:	01-12-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed secondary piping test for extension of diesel piping to dispensers 5/6. Piping passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-13-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed leak detection monitor installation in dispenser 5/6 UDC and final inspection for diesel fuel service at dispenser 5/6. Sensor passed and permit finaled.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-01-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	2013 Inspection
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Directed to submit information into CERS
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual Monitor Certification conducted by Orange County Tank Testing with all devices passing. NTC issued to owner to include all tank information in CERS, with a completion date of 8/21/2014
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Financial Responsibility submitted to CERS on 8/7/17.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST

UNION OIL 4613 (Continued) **1000166895**

Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-26-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST forms were not current, however this facility returned to compliance immediately after receiving inspection report.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-26-2016
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	1.) 87 secondary product line failure due to dispenser pan 7/8 and bravo nut. 2.) Dispenser pan 3/4 visual failure due to cracked electrical rubber penetrations.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-29-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No open violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-29-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The Veeder Root monitoring system is receiving and displaying alarms on the display, by sound and printing the alarm. The alarm light on the panel is remaining lit, even when the panel is in normal condition.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-30-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency

UNION OIL 4613 (Continued) **1000166895**

Eval Notes:	The ESFD was onsite to witness Spill Bucket Test, Annual Monitoring Certification and Secondary Containment Testing. All USTs passed Annual Monitoring Certification and all spill buckets passed testing. A failure of the secondary containment test was observed for the secondary containment piping for the 87 octane UST and UDC #1/#2.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-04-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-10-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witnessed overfill prevention inspection of three flapper valves for the following USTs: Unleaded, Premium, and Diesel. All UST overfill prevention passed inspection.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-20-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Bob Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970

UNION OIL 4613 (Continued) **1000166895**

Affiliation Type Desc:	Property Owner
Entity Name:	770 Sepulveda LLC
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Ara Kizarian
Entity Title:	Vice-President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 466-1172

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Operator
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 466-1172

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Bob Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970

Affiliation Type Desc:	UST Tank Operator
Entity Name:	Bob’s Union, Inc.
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States

UNION OIL 4613 (Continued) **1000166895**

Affiliation Zip:	90245
Affiliation Phone:	(310) 640-0970
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	770 N. Sepulveda Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Ara Kizirian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Ara Kizirian
Entity Title:	Vice-President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bob’s Union, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Bob Kizarian
Entity Title:	Not reported
Affiliation Address:	770 N. Pacific Coast Hwy.

UNION OIL 4613 (Continued) **1000166895**

Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 640-0970

G48 **MARSHALL ELECTRONICS INC** **CA CERS HAZ WASTE** **S121019879**
NNE **1910 E MAPLE AVE** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.053 mi.
279 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
116 ft.

CERS HAZ WASTE:
Name: ESALON.COM, LLC
Address: 1910 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 427076
CERS ID: 10743559
CERS Description: Hazardous Waste Generator

HAZNET:
Name: MARSHALL ELECTRONICS INC
Address: 1910 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2016
GEPAID: CAL000411694
Contact: OBDULIO ARELLANOS
Telephone: 3103330606
Mailing Name: Not reported
Mailing Address: 1910 E MAPLE AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: MXC130619001
TSD County: Not reported
Tons: 0.0105
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H020-Solvents Recovery
Facility County: Los Angeles

Name: MARSHALL ELECTRONICS INC
Address: 1910 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2016
GEPAID: CAL000411694
Contact: OBDULIO ARELLANOS
Telephone: 3103330606
Mailing Name: Not reported
Mailing Address: 1910 E MAPLE AVE
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: MXC130619001
TSD County: Not reported
Tons: 0.021
CA Waste Code: 561-Detergent waste chemicals
Method: H123-Settling Or Clarification
Facility County: Los Angeles

MARSHALL ELECTRONICS INC (Continued) **S121019879**

CERS:
- Name: ESALON.COM, LLC
- Address: 1910 E MAPLE AVE
- City,State,Zip: EL SEGUNDO, CA 90245
- Site ID: 427076
- CERS ID: 10743559
- CERS Description: Chemical Storage Facilities

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-28-2017
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: The facility has not generated any hazardous waste at the time of the inspection. e-salon was advised of hazardous waste requirements for proper management.
- Eval Division: El Segundo City Fire Department
- Eval Program: HW
- Eval Source: CERS

- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 11-28-2017
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: The facility is in the process of moving in and no hazardous materials were on site at the time of the inspection.
- Eval Division: El Segundo City Fire Department
- Eval Program: HMRRP
- Eval Source: CERS

Coordinates:
- Site ID: 427076
- Facility Name: eSalon.com, LLC
- Env Int Type Code: HMBP
- Program ID: 10743559
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.
- Latitude: 33.926390
- Longitude: -118.395150

Affiliation:
- Affiliation Type Desc: CUPA District
- Entity Name: El Segundo City Fire Department
- Entity Title: Not reported
- Affiliation Address: 314 Main Street
- Affiliation City: El Segundo
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 90245
- Affiliation Phone: (310) 524-2395

- Affiliation Type Desc: Identification Signer
- Entity Name: Jeffrey Lewis
- Entity Title: R&D Manager
- Affiliation Address: Not reported
- Affiliation City: Not reported

MARSHALL ELECTRONICS INC (Continued) **S121019879**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Francisco Gimenez
Entity Title: Not reported
Affiliation Address: 1910 E Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 945-4688

Affiliation Type Desc: Operator
Entity Name: eSalon.com, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 945-4688

Affiliation Type Desc: Document Preparer
Entity Name: Jeffrey Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1910 E Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: eSalon.com, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Rabih Zaouk

MARSHALL ELECTRONICS INC (Continued) **S121019879**

Entity Title:	Not reported
Affiliation Address:	1910 E Maple Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	The Rader Company
Entity Title:	Not reported
Affiliation Address:	828 W Hillcrest Blvd # A
Affiliation City:	Inglewood
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90301
Affiliation Phone:	(310) 337-7075

G49 **ESALON** **RCRA NonGen / NLR** **1024762197**
NNE **1910 EAST MAPLE AVENUE** **CAC002982059**
< 1/8 **EL SEGUNDO, CA 90245**
0.053 mi.
279 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
116 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-09-25 00:00:00.0
Facility name:	ESALON
Facility address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAC002982059
Contact:	SACHI SOSNA
Contact address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	424-290-5877
Contact email:	JOECHEMIST@HOTMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SACHI SOSNA
Owner/operator address:	1910 EAST MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	424-290-5877
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	SACHI SOSNA
Owner/operator address:	1910 EAST MAPLE AVENUE

ESALON (Continued) **1024762197**

EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 424-290-5877
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G50 **ESALON.COM LLC** **RCRA NonGen / NLR** **1024862645**
NNE **1910 E MAPLE AVE** **CAL000431165**
< 1/8 **EL SEGUNDO, CA 90245**
0.053 mi.
279 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
116 ft.

RCRA NonGen / NLR:
Date form received by agency: 2017-10-03 00:00:00.0
Facility name: ESALON.COM LLC
Facility address: 1910 E MAPLE AVE
EL SEGUNDO, CA 90245
EPA ID: CAL000431165
Contact: SCOTT TAKAHASHI
Contact address: 1910 E MAPLE AVE
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-945-4666
Contact email: SCOTT@ESALON.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SCOTT TAKAHASHI
Owner/operator address: 1910 E MAPLE AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-945-4666

ESALON.COM LLC (Continued) **1024862645**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FRANCISCO GIMENEZ
Owner/operator address: 1910 E MAPLE AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 866-550-2424
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H51 **TRIO MANUFACTURING INC** **RCRA NonGen / NLR** **1024801357**
SE **601 LAIRPORT ST** **CAL000229764**
< 1/8 **EL SEGUNDO, CA 90245**
0.056 mi.
298 ft. **Site 1 of 3 in cluster H**

Relative:
Lower

Actual:
108 ft.

RCRA NonGen / NLR:
Date form received by agency: 2001-08-15 00:00:00.0
Facility name: TRIO MANUFACTURING INC
Facility address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245-0000
EPA ID: CAL000229764
Contact: GEORGE ZAMORA
Contact address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-640-6123
Contact email: GEORGE.ZAMORA@TRIOMFG.COM

TRIO MANUFACTURING INC (Continued) **1024801357**

EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TRIO MANUFACTURING INC
Owner/operator address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-640-6123
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE ZAMORA
Owner/operator address: 601 LAIRPORT ST
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-640-6123
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H52 **TRIO MANUFACTURING INC** **CA CERS HAZ WASTE** **S113114614**
SE **601 LAIRPORT ST** **CA HAZNET** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.056 mi.
298 ft. **Site 2 of 3 in cluster H**

Relative:
Lower

Actual:
108 ft.

CERS HAZ WASTE:

Name:	TRIO MANUFACTURING
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	163509
CERS ID:	10155099
CERS Description:	Hazardous Waste Generator

Name:	TRIO MANUFACTURING
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	163509
CERS ID:	10155099
CERS Description:	Hazardous Waste Onsite Treatment

HAZNET:

Name:	TRIO MANUFACTURING INC
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2017
GEPAID:	CAL000229764
Contact:	GEORGE ZAMORA
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	6.8805
CA Waste Code:	222-Oil/water separation sludge
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	TRIO MANUFACTURING INC
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2016
GEPAID:	CAL000229764
Contact:	GEORGE ZAMORA
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	8.0481
CA Waste Code:	222-Oil/water separation sludge
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

TRIO MANUFACTURING INC (Continued) **S113114614**

Name:	TRIO MANUFACTURING INC
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2015
GEPAID:	CAL000229764
Contact:	MICHAEL HUNKINS/PRESIDENT
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	9.7578
CA Waste Code:	223-Unspecified oil-containing waste
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	TRIO MANUFACTURING INC
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2015
GEPAID:	CAL000229764
Contact:	MICHAEL HUNKINS/PRESIDENT
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.38
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	TRIO MANUFACTURING INC
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2014
GEPAID:	CAL000229764
Contact:	MICHAEL HUNKINS/PRESIDENT
Telephone:	3106406123
Mailing Name:	Not reported
Mailing Address:	601 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902450000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	5.94225
CA Waste Code:	223-Unspecified oil-containing waste
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

TRIO MANUFACTURING INC (Continued) **S113114614**

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:

Name:	TRIO MANUFACTURING
Address:	601 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	163509
CERS ID:	10155099
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	06-28-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/09/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(c)
Violation Description:	Failure of the generator treating hazardous wastes to comply with the requirements of the conditional exemption applicable to the treatment process.
Violation Notes:	Returned to compliance on 01/20/2018. The hazardous waste in the treatment unit has been there for over one year per the label on the unit. No treatment has been conducted within the last year. The facility has not been treating waste within the 180 days allowed to store the waste before treating it. Please provide documentation on the treating of this waste.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS

Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was missing the final copy for 5 manifests that were shipped in 2015 and 2016. The facility shall keep the final copy signed by the TSDF for all shipments of hazardous waste. Provide documentation for all missing

TRIO MANUFACTURING INC (Continued) **S113114614**

	manifests to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(d)(6) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)(6)
Violation Description:	Failure of the generator to prepare and maintain onsite, for a period of three years, the following: (1) adequate records to demonstrate compliance with all applicable pretreatment standards and discharge requirements issued by the agency operating the POTW; (2) records of the dates, concentrations, amounts, and types of waste treated; and (3) written operating instructions.
Violation Notes:	Returned to compliance on 01/20/2018. The facility had not records for the treatment unit for the last three years. Begin maintaining records for hazardous waste treatment and ensure that they are kept onsite for three years. Submit copies of these records to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	12-03-2012
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.
Violation Notes:	Returned to compliance on 07/16/2013. AEO issued in July for the failure to comply with requirement.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25201.5(d)(5) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)(5)
Violation Description:	Failure to prepare, implement, and maintain onsite, for three years at the facility, a treatment system inspection program and log of inspections conducted.
Violation Notes:	Returned to compliance on 01/20/2018. The facility ad not records for the past three years. Begin maintaining records for scheduling and logging inspections for the hazardous waste treatment system and ensure that they are kept onsite for three years. Submit copies of these records and inspections to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing

TRIO MANUFACTURING INC (Continued) **S113114614**

Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/20/2018. The facility did not have the labels filled out with the required information and accumulation dates. This applies to the containers for the used oil and the waste solids. Submit a statement to the CUPA demonstrating that the containers have been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	12-03-2012
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 07/16/2013. No manifests available for more than 1 year.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description:	Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes:	Returned to compliance on 01/20/2018. In April of 2015, Trio Mfg. disposed of 5 yards of EDM filters to an Arizona TSDF for proper management. The facility has not disposed of any filters since that date and there was not filters being stored at the time of the inspection. George Zamora was not aware what happened to the filters, possible municipal trash. The facility shall properly manage the used EDM filters as a hazardous waste. The sludge in the filters is a hazardous waste for copper. The facility shall not add waste solvents to the used oil and manage the waste separately.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with

TRIO MANUFACTURING INC (Continued) **S113114614**

	proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 01/15/2018. The facility has not provided training to the employees to the point where they understand what the requirements are. Rafael de La Brana had received training for hazardous waste management, but did not understand the material in the class. George Zamora was not aware of the requirements for the hazardous wastes that were being generated at the site. The facility shall provide training to employees who handle hazardous waste such that they understand the requirements and can properly handle the Waste. The facility is a SQG and shall have adequate training for the employees who are managing hazardous waste. Please provide documentation of the training to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 02/02/2018. The facility is polishing high grade metals and allowing the waste to blow outside the building. This material shall be collected and tested to determine the waste status of the material. The facility shall run a CAM-17 TTLC for toxic metals using a State Certified Laboratory on the polishing dust from metal polishing. Please send a copy of the test results to the ESFD.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	06-28-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Training - General
Violation Notes:	Returned to compliance on 11/09/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Description:	Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was storing other materials in the Hazardous Waste Storage Area and did not provide access to the containers. The Hazardous Waste Storage Area shall be

TRIO MANUFACTURING INC (Continued) **S113114614**

	provided with aisle space that would allow access during an emergency or during the weekly inspections.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was storing used oil for more than 180 days in November of 2016 and June of 2017. This violation was also documented in the December 3, 2012 inspection. Trio Manufacturing is a small quantity generator and is allowed to store hazardous waste for 180 days. The facility shall ensure that hazardous waste is not stored for more than 180 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Description:	Failure of the facility to maintain the following emergency equipment or equivalents: 1) An internal communications or alarm system; 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
Violation Notes:	Returned to compliance on 01/20/2018. The waste storage area did not have any emergency response equipment including a fire extinguisher. The facility shall provide the Hazardous Waste Storage Area with the materials needed in the event of an emergency. Please provide documentation of the materials that have been added to the area.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017

TRIO MANUFACTURING INC (Continued) **S113114614**

Citation:	HSC 6.5 25201.5(d) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)
Violation Description:	Failure of the generator to remove or decontaminate all waste residues, containment system components, soils and other structures or equipment contaminated with hazardous waste and provide written notification of all closure activities at the closure of the treatment unit.
Violation Notes:	Returned to compliance on 03/12/2018. George Zamora stated that they did not plan on using the treatment unit in the future and have not used it in the last year. Trio Manufacturing shall properly close out the unit if they no longer wish to treat hazardous waste and notify the CUPA of the closure of the permit.
Violation Division:	El Segundo City Fire Department
Violation Program:	CE
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description:	Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes:	Returned to compliance on 01/20/2018. The facility was not aware that the generator was required to send a copy of the manifest to the DTSC after the transporter picks up the waste. Copies were not being sent to the DTSC. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 12/02/2017. The facility had not been conducting the weekly inspections since 2016 and started again in October of 2017. The facility has a good checklist, just needs to complete them. The facility shall inspect all hazardous waste containers on a weekly basis for emergencies and storage compliance.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	163509
Site Name:	trio manufacturing
Violation Date:	11-16-2017
Citation:	HSC 6.5 25250.7 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.7
Violation Description:	Failure to prevent intentional contamination of used oil with other hazardous waste other than minimal amounts of vehicle fuel.
Violation Notes:	Returned to compliance on 01/20/2018. The facility had been adding the spent mineral spirits to the used oil The facility shall not

TRIO MANUFACTURING INC (Continued) **S113114614**

contaminate the used oils with spent cleaning solvents from the parts washer.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility shall remove items from disclosure that are under 55 gal.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: CE
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-16-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-03-2012
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Chemical inventory includes cutting oils and lubricants
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-03-2012
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Complaint Inspection of discharging waste cutting and lubricating oil

TRIO MANUFACTURING INC (Continued) **S113114614**

into sewer from men's room drain.
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 01-25-2018
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $8,500.00. Consent Order for hazardous waste and Tiered Permit violations.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 05-19-2014
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $3,315.00. SEPs Value: $720.00.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 05-19-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Fines/Penalties Assessed: $3,315.00. SEPs Value: $720.00. Trio Mfg. was issued an AEO for the failure to comply with several Notice of Violations and a compliant made in November of 2012.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Site ID: 163509
Site Name: trio manufacturing
Site Address: 601 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 06-23-2014
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $4,065.00. SEPs Value: $720.00. Hazardous

TRIO MANUFACTURING INC (Continued) **S113114614**

Waste Storage Beyond 180 Days for SQG and Illegal Treatment.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:
Site ID: 163509
Facility Name: trio manufacturing
Env Int Type Code: HWG
Program ID: 10155099
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.924187
Longitude: -118.393166

Affiliation:
Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: DAVID MAIJALA
Entity Title: Director of Quality
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Heily Nesen Universus
Entity Title: Not reported
Affiliation Address: 1357 Madrone Lane
Affiliation City: San Luis Obispo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93401
Affiliation Phone: (805) 545-8584

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Environmental Contact
Entity Name: George Zamora
Entity Title: Not reported
Affiliation Address: 601 Lairport St
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Affiliation Type Desc:	Identification Signer
Entity Name:	George Zamora
Entity Title:	Quality Assurance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	GEORGE ZAMORA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	601 Lairport St
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Trio Manufacturing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 640-6123

Affiliation Type Desc:	Legal Owner
Entity Name:	Michael Hunkins
Entity Title:	Not reported
Affiliation Address:	601 Lairport St
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 640-6123

Affiliation Type Desc:	Parent Corporation
Entity Name:	Trio Manufacturing
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

TRIO MANUFACTURING INC (Continued) **S113114614**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

H53 **THE BOEING CO** **RCRA-LQG** **1001967650**
SE **601-603 LAIRPORT ST** **CAR000071589**
< 1/8 **EL SEGUNDO, CA 90245**
0.056 mi.
298 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **108 ft.**

RCRA-LQG:
Date form received by agency: 2018-02-20 00:00:00.0
Facility name: THE BOEING CO
Facility address: 601-603 LAIRPORT ST
EL SEGUNDO, CA 90245-0000
EPA ID: CAR000071589
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Owner/operator country: US

THE BOEING CO (Continued) **1001967650**

Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: BOEING SATELLITE SYSTEMS INC
Owner/operator address: P O BOX 92919
LOS ANGELES, CA 90009
Owner/operator country: Not reported
Owner/operator telephone: 310-416-2241
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

THE BOEING CO (Continued) **1001967650**

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

C54 **EQUINIX LLC** **CA CERS HAZ WASTE** **S121759740**
NE **1920 E MAPLE AVE** **CA CERS TANKS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CERS**
0.061 mi.
323 ft. **Site 2 of 11 in cluster C**

Relative:
Lower

Actual:
110 ft.

CERS HAZ WASTE:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Aboveground Petroleum Storage

Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Underground Storage Tank

CERS:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 28549
CERS ID: 10128355
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-07-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 04/25/2018. Owner/Operator did not retain a copy of the permit to operate at the facility. Retain a copy of the permit to operate at the facility.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month

EQUINIX LLC (Continued) **S121759740**

	if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 12/13/2017. Dispose of hazardous waste and submit a copy of the manifest to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 12/13/2017. White container holding contaminated diesel. Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	03-19-2019
Citation:	23 CCR 16 2666(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(f)
Violation Description:	Failure of the functional line leak detector (LLD) to monitor at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping or triggers a visual and audible alarm.
Violation Notes:	Returned to compliance on 05/23/2019. Owner/Operator did not install or failed to ensure that a functional LLD was installed on underground piping connected to emergency generator tank system which monitors at least hourly with the capability of detecting a release of 3.0 gph leak at 10 psi and restricts or shuts off the flow of product through the piping, or triggers a visual and audible alarm. UST #1 has been upgraded to meet the LLD requirements. UST #2 has not been upgraded to meet LLD requirements. Repair or install LLD on underground piping connected to emergency generator tank system, for UST #2, which meets the requirements listed above.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-08-2018

EQUINIX LLC (Continued) **S121759740**

Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 12/19/2018. Facility does not have a CUPA Permit to Operate for the Hazardous Waste Generator Program. Facility shall pay the 2018-2019 CUPA fees for the Hazardous Waste Generator Program.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 12/13/2017. Submit a copy of the inspection log to the CUPA demonstrating that the hazardous waste storage area is being inspected weekly.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)?. 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment?. 3) Lamps shall be marked with ?Universal Waste-Lamp(s)?. 4)Each electronic devices or the container or the designated area shall be marked with ?Universal Waste-Electronic Device(s)?. 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)?. 6) CRT glass or the designated area shall be marked with ?Universal Waste-CRT glass?.
Violation Notes:	Returned to compliance on 12/13/2017. Properly label universal waste [Identfy] and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Description:	Failure to properly complete the Uniform Hazardous Waste Manifest.
Violation Notes:	Returned to compliance on 12/13/2017. Contact the DTSC to make necessary corrections to the manifests and submit a copy to the CUPA.

EQUINIX LLC (Continued) **S121759740**

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 23 66273.31(a) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.31(a)
Violation Description: Failure of the universal waste handler to transfer universal waste to the appropriate destination facility.
Violation Notes: Returned to compliance on 12/13/2017. Noted fluorescent tubes and lamps. Ensure that all univeral wastes are transferred to an appropriate distination facility and properly disposed. Submit documentation to the CUPA indicating that all universal waste has been transfered to an appropriate destination facility.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Description: Failure to use a DTSC registered hazardous waste transporter to transport hazardous waste or transporting hazardous waste without being a DTSC registered hazardous waste transporter.
Violation Notes: Ensure all hazardous waste is transported by a DTSC registered hazardous waste transporter and submit a statement to the CUPA indicating this will be how all hazardous waste will be transported in the future.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 49 CFR 1 172.201(e) - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172.201(e)
Violation Description: Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous materials definition in accordance with DOT 49 CFR parts 171-180.
Violation Notes: Returned to compliance on 12/13/2017. Noted fluorescent tubes and lamps Submit documentation to the CUPA demonstrating that all universal waste noted above have been properly packaged, labeled, marked, placarded, or prepared and retain shipping papers.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017

EQUINIX LLC (Continued) **S121759740**

Citation:	22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description:	Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes:	Returned to compliance on 12/13/2017. Dispose of fluorescent tubes and lamps and submit a copy of the manifest/receipt to the CUPA.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	03-08-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 01/19/2018. The UST piping upgrade has not been submitted into CERS and the tanks are identified as be carpentalizedd, they are separate tanks. Submit and/or maintain a complete and/or accurate UST Operating Permit Application, including for permit renewal.
Violation Division:	El Segundo City Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 12/13/2017. White plastic container with waste diesel and diesel contaminated debris not labeled. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28549
Site Name:	Equinix LLC
Violation Date:	11-01-2017
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a Uniform Hazardous Waste Manifest and, if necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 12/13/2017. Provide a copy of a prepared manifest for hazardous waste to the CUPA or complete an unmanifest load report to the DTSC and submit copy to the CUPA.
Violation Division:	El Segundo City Fire Department

EQUINIX LLC (Continued) **S121759740**

Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-07-2018
Citation: 23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 04/25/2018. Owner/Operator did not maintain a list of employees trained by the DO. DO must provide training to all building engineers. Documentation must be current and kept in UST binder.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-01-2017
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Returned to compliance on 12/13/2017. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-08-2017
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 01/19/2018. The Monitoring Plan is not current in CERS. Maintain an Approved Monitoring Plan.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 11-08-2018
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/08/2018. Secondary containment 4" wall was observed with open gap on concrete structure. Facility shall patch concrete to eliminate hole on secondary containment.
Violation Division: El Segundo City Fire Department
Violation Program: APSA
Violation Source: CERS

EQUINIX LLC (Continued) **S121759740**

Site ID: 28549
Site Name: Equinix LLC
Violation Date: 03-07-2018
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 04/25/2018. Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). DO must provide training to all building engineers.
Violation Division: El Segundo City Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected exposed secondary piping. Contractor found mechanical damage to secondary piping due to steel stakes left in back fill at system installation.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Witnessed air pressure test for secondary piping and soap test at repairs to secondary piping. Test results ok.
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-08-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Witnessed air pressure test and soap test for repairs to secondary containment piping. Passed tests
Eval Division: El Segundo City Fire Department
Eval Program: UST
Eval Source: CERS

EQUINIX LLC (Continued) **S121759740**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspected site. Concrete poured in hole, violation corrected.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-12-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspected site. Hole filled in with concrete, violation corrected.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	03-08-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Witness monitoring system certification and secondary containment testing for tank top and piping replacement.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-19-2019

EQUINIX LLC (Continued) **S121759740**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Emergency Generators are supplied by two USTs; UST#1 and UST#2. Both USTs have pressurized underground piping and are required to have LLD. A UST Permit To Repair has been approved for installation of LLDs to both UST#1 and UST#2. The LLD has been installed on UST#1 and annual testing of the LLD on UST#1 was observed; LLD on UST#1 passed test. The LLD on UST#2 has not been installed as of the date of this inspection. Facility shall submit to the ESFD a written plan with estimated completion date for installation of the LLD on UST#2 within 60 days of this inspection report.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-23-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness the testing of the LLD for UST #2. LLD passed test.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-26-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	The ESFD was onsite to witness the replacement and testing of two flapper valves (Overfill Prevention Equipment), one for each tank. Both flapper valves passed testing.
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No

EQUINIX LLC (Continued) **S121759740**

Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	No outstanding violations
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-30-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	POST INSTALLATION SB 989 TEST PERFORMED BY TODD REX FROM TMR ENVIRONMENTAL - ALL CERTS CURRENT ALL COMPONENTS OF THIS UST SYSTEM PASSED FUNCTUNALITY TESTING - NO VIOLATIONS NOTED
Eval Division:	El Segundo City Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	THIS IS A NOTICE OF VIOLATION. THIS FACILITY HAS 30 DAYS TO COMPLY WITH THE FOLLOWING CORRECTIVE ITEMS: 1. SUBMIT HAZARDOUS WASTE MANIFEST TO THIS CUPA 2. LABEL UNIVERSAL WASTE CONTAINERS 3. SUBMIT HAZARDOUS WASTE INSPECTION LOGS TO THIS CUPA 4. KEEP ALL HAZARDOUS WASTE CONTAINERS CLOSED
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	El Segundo City Fire Department
Eval Program:	APSA
Eval Source:	CERS

EQUINIX LLC (Continued) **S121759740**

Eval General Type: Other/Unknown
Eval Date: 11-08-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 28549
Facility Name: Equinix LLC
Env Int Type Code: HWG
Program ID: 10128355
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 33.926079
Longitude: -118.394119

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Identification Signer
Entity Name: Johnny Lopez
Entity Title: Manager, Facilities Operations
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: 1920 E Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: UST Permit Applicant
Entity Name: Johnny V Lopez
Entity Title: Manager, Facility Operations
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

EQUINIX LLC (Continued) **S121759740**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 524-4502

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 445 N Douglas St
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: UST Tank Operator
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: 1920 E. Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: UST Tank Owner
Entity Name: Equinix LLC
Entity Title: Not reported
Affiliation Address: 1920 E. Maple Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 524-4500

Affiliation Type Desc: Property Owner
Entity Name: TRT NOIP MAPLE EL SEGUNDO LP Dividend Capital Diversified Property Fund
Entity Title: Not reported
Affiliation Address: 518 17th Street, 17th Floor
Affiliation City: Denver
Affiliation State: CO
Affiliation Country: United States
Affiliation Zip: 80202
Affiliation Phone: (303) 285-0371

Affiliation Type Desc: Document Preparer
Entity Name: Sujanitha Sambasivan

EQUINIX LLC (Continued) **S121759740**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Sujanitha Sambasivan
Entity Title:	Not reported
Affiliation Address:	One Lagoon Drive, 4th Floor
Affiliation City:	Redwood City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	94065
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Equinix LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Equinix Operating Co, Inc.
Entity Title:	Not reported
Affiliation Address:	One Lagoon Drive, 4th Floor
Affiliation City:	Redwood City
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	94065
Affiliation Phone:	(650) 598-6000

C55 **EQUINIX LLC** **CA AST** **A100419800**
NE **1920 E MAPLE AVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 3 of 11 in cluster C**

Relative: **Lower**

Actual: **110 ft.**

AST:

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City/Zip:	EL SEGUNDO,90245
Certified Unified Program Agencies:	Not reported
Owner:	Equinix LLC
Total Gallons:	Not reported
CERSID:	10128355
Facility ID:	Not reported
Business Name:	Equinix LLC
Phone:	(310) 524-4500
Fax:	(310) 524-4550
Mailing Address:	445 N Douglas St

EQUINIX LLC (Continued) **A100419800**

Mailing Address City:	El Segundo
Mailing Address State:	CA
Mailing Address Zip Code:	90245
Operator Name:	Equinix LLC
Operator Phone:	(310) 524-4500
Owner Phone:	(310) 524-4500
Owner Mail Address:	1920 E Maple Ave
Owner State:	CA
Owner Zip Code:	90245
Owner Country:	United States
Property Owner Name:	TRT NOIP MAPLE EL SEGUNDO LP Dividend Capital Diversified Property Fund
Property Owner Phone:	(303) 285-0371
Property Owner Mailing Address:	518 17th Street, 17th Floor
Property Owner City:	Denver
Property Owner Stat :	CO
Property Owner Zip Code:	80202
Property Owner Country:	United States
EPAID:	CAL000315207

C56 **EQUINIX OPERATING CENTER** **CA AST** **A100323698**
NE **1920 E. MAPLE AVENUE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.061 mi.
323 ft. **Site 4 of 11 in cluster C**

Relative: **Lower**
Actual: **110 ft.**

AST:

Name:	EQUINIX OPERATING CENTER
Address:	1920 E. MAPLE AVENUE
City/Zip:	EL SEGUNDO,
Certified Unified Program Agencies:	El Segundo
Owner:	EQUINIX
Total Gallons:	33,000
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C57 **HUGHES AIRCRAFT CO EDSG** **CA SWEEPS UST** **S102058270**
NE **1920 E MAPLE AVE** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 5 of 11 in cluster C**

Relative: **Lower**
Actual: **110 ft.**

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO - EDSG
Address:	1920 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	10916
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010916-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	3

Name:	HUGHES AIRCRAFT CO - EDSG
Address:	1920 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	10916
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010916-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO - EDSG
Address:	1920 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	10916
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010916-000003

HUGHES AIRCRAFT CO EDSG (Continued) **S102058270**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO EDSG
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 010937-010916
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00002380T
Permit Status: Closed

C58 **EQUINIX LLC** **RCRA NonGen / NLR** **1024815824**
NE **1920 E MAPLE AVE** **CAL000315207**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 6 of 11 in cluster C**

Relative:
Lower

Actual:
110 ft.

RCRA NonGen / NLR:
Date form received by agency: 2007-01-09 00:00:00.0
Facility name: EQUINIX LLC
Facility address: 1920 E MAPLE AVE
EL SEGUNDO, CA 90245-3411
EPA ID: CAL000315207
Mailing address: ONE LAGOON DRIVE
REDWOOD CITY, CA 94065-0000
Contact: SUJANITHA SAMBASIVAN
Contact address: ONE LAGOON DRIVE
REDWOOD CITY, CA 94065-0000
Contact country: Not reported
Contact telephone: 650-598-6344
Contact email: SSAMBASIVAN@EQUINIX.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EQUINIX LLC
Owner/operator address: ONE LAGOON DRIVE ATTN: SUJANITHA SAMBASIVAN
REDWOOD CITY, CA 94065
Owner/operator country: Not reported
Owner/operator telephone: 650-598-6344
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported

EQUINIX LLC (Continued) **1024815824**

Owner/Op end date: Not reported

Owner/operator name: SUJANITHA SAMBASIVAN
Owner/operator address: ONE LAGOON DRIVE
REDWOOD CITY, CA 94065
Owner/operator country: Not reported
Owner/operator telephone: 650-598-6344
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

C59 **A100 US, LLC-LAX 51** **RCRA-VSQG** **1023966833**
NE **1920 E MAPLE AVE** **CAR000275388**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 7 of 11 in cluster C**

Relative:
Lower

Actual:
110 ft.

RCRA-VSQG:
Date form received by agency: 2017-08-23 00:00:00.0
Facility name: A100 US, LLC-LAX 51
Facility address: 1920 E MAPLE AVE
EL SEGUNDO, CA 90245
EPA ID: CAR000275388
Mailing address: TERRY AVE N
SEATTLE, WA 98109
Contact: CODY DILL
Contact address: CROSBY CT
DUBLIN, OH 43016
Contact country: US
Contact telephone: 614-495-1287
Contact email: CODYDILL@AMAZON.COM
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

A100 US, LLC-LAX 51 (Continued) **1023966833**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	EQUNIX INC
Owner/operator address:	E MAPLE AVE EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2004-11-17 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	A100 US, LLC
Owner/operator address:	TERRY AVE SEATTLE, WA 98109
Owner/operator country:	US
Owner/operator telephone:	614-495-1287
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2014-11-10 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

A100 US, LLC-LAX 51 (Continued) **1023966833**

Hazardous Waste Summary:

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 291
. Waste name: Latex waste

. Waste code: 511
. Waste name: Empty pesticide containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

A100 US, LLC-LAX 51 (Continued) **1023966833**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

C60 **EQUINIX LLC** **CA UST** **U004066682**
NE **1920 E MAPLE AVE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 8 of 11 in cluster C**

Relative: EL SEGUNDO UST:
Lower
Actual: Name: EQUINIX, INC
110 ft. Address: 1920 E. MAPLE AVE.
City: EL SEGUNDO
Facility Type: Facilities are Active (Inactive Date is blank)
Type of Action: Other generator fuel
CERT Number: Not reported
Permit Number: 30-0394

Tank Number: 000001
Tank Status: New Permit
Tank Content: Diesel
Other Contents: Not reported
Active: New Permit

EQUINIX LLC (Continued) **U004066682**

Date Inspected: 08/12/2008

Tank Number: 000001
Tank Status: New Permit
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: New Permit
Date Inspected: Not reported

Tank Number: 000002
Tank Status: New Permit
Tank Content: Petroleum blend fuel
Other Contents: Not reported
Active: New Permit
Date Inspected: Not reported

Tank Number: 000002
Tank Status: New Permit
Tank Content: Diesel
Other Contents: Not reported
Active: New Permit
Date Inspected: 08/12/2008

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

Tank Number: Not reported
Tank Status: Open Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

UST:
Name: EQUINIX LLC
Address: 1920 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Permitting Agency: El Segundo City Fire Department
Latitude: 37.271881
Longitude: -119.270233

C61
NE
< 1/8
0.061 mi.
323 ft.

EQUINIX LLC
1920 E MAPLE AVE
EL SEGUNDO, CA 90245

Site 9 of 11 in cluster C

CA HIST UST **S113145849**
CA HAZNET **N/A**

Relative:
Lower

Actual:
110 ft.

HIST UST:

Name:	HUGNES AIRCRAFT CO ELECTRO-OP
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
File Number:	00026EAE
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EAE.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902453411
Year:	2016
GEPAID:	CAL000315207
Contact:	SUJANITHA SAMBASIVAN
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	ONE LAGOON DRIVE
Mailing City,St,Zip:	REDWOOD CITY, CA 940650000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.125
CA Waste Code:	352-Other organic solids
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902453411
Year:	2016
GEPAID:	CAL000315207

EQUINIX LLC (Continued) **S113145849**

Contact:	SUJANITHA SAMBASIVAN
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	ONE LAGOON DRIVE
Mailing City,St,Zip:	REDWOOD CITY, CA 940650000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.221
CA Waste Code:	221-Waste oil and mixed oil
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902453411
Year:	2011
GEPAID:	CAL000315207
Contact:	Sujanitha Sambasivan
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	One Lagoon Drive, 4th Floor
Mailing City,St,Zip:	Redwood City, CA 940650000
Gen County:	Los Angeles
TSD EPA ID:	CAT080014079
TSD County:	Contra Costa
Tons:	0.05
CA Waste Code:	352-Other organic solids
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902453411
Year:	2008
GEPAID:	CAL000315207
Contact:	Sujanitha Sambasivan
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	One Lagoon Drive, 4th Floor
Mailing City,St,Zip:	Redwood City, CA 940650000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.1
CA Waste Code:	181-Other inorganic solid waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	EQUINIX LLC
Address:	1920 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 902453411
Year:	2008
GEPAID:	CAL000315207

EQUINIX LLC (Continued) **S113145849**

Contact:	Sujanitha Sambasivan
Telephone:	6505986344
Mailing Name:	Not reported
Mailing Address:	One Lagoon Drive, 4th Floor
Mailing City,St,Zip:	Redwood City, CA 940650000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	8.5
CA Waste Code:	343-Unspecified organic liquid mixture
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

C62 **EQUINIX COMMUNICATIONS** **CA LUST S119777458**
NE **1920 MAPLE AVE E** **CA CERS N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.061 mi.
323 ft. **Site 10 of 11 in cluster C**

Relative: **Lower**

Actual: **110 ft.**

LUST:

Name:	EQUINIX COMMUNICATIONS
Address:	1920 MAPLE AVE E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000010173
Global Id:	T10000010173
Latitude:	33.92604
Longitude:	-118.39406
Status:	Completed - Case Closed
Status Date:	04/24/2018
Case Worker:	JC
RB Case Number:	R-10916A
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T10000010173
Contact Type:	Regional Board Caseworker
Contact Name:	JOSHUA CWIKLA
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4th Street, Suite 200
City:	LOS ANGELES
Email:	joshua.cwikla@waterboards.ca.gov
Phone Number:	2135766713

LUST:

Global Id:	T10000010173
Action Type:	ENFORCEMENT
Date:	03/08/2017

EQUINIX COMMUNICATIONS (Continued) **S119777458**

Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 02/23/2017
Action: Referral to Regional Board

Global Id: T10000010173
Action Type: Other
Date: 03/26/2008
Action: Leak Discovery

Global Id: T10000010173
Action Type: RESPONSE
Date: 12/17/2017
Action: Soil and Water Investigation Report

Global Id: T10000010173
Action Type: RESPONSE
Date: 05/11/2017
Action: Other Report / Document

Global Id: T10000010173
Action Type: RESPONSE
Date: 09/27/2017
Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 12/12/2017
Action: Request for Closure - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 05/11/2017
Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 04/06/2017
Action: Correspondence - Regulator Responded

Global Id: T10000010173
Action Type: RESPONSE
Date: 07/31/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000010173
Action Type: REMEDIATION
Date: 11/01/2016
Action: Excavation

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 04/11/2017
Action: Staff Letter

EQUINIX COMMUNICATIONS (Continued) **S119777458**

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 04/24/2018
Action: Closure/No Further Action Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 10/04/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: Other
Date: 02/23/2017
Action: Leak Reported

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 06/08/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 08/08/2017
Action: Staff Letter

Global Id: T10000010173
Action Type: ENFORCEMENT
Date: 01/26/2018
Action: Notification - Preclosure

Global Id: T10000010173
Action Type: Other
Date: 02/23/2017
Action: Leak Began

LUST:
Global Id: T10000010173
Status: Open - Case Begin Date
Status Date: 02/23/2017

Global Id: T10000010173
Status: Open - Site Assessment
Status Date: 02/28/2017

Global Id: T10000010173
Status: Pending Review
Status Date: 02/28/2017

Global Id: T10000010173
Status: Completed - Case Closed
Status Date: 04/24/2018

CERS:
Name: EQUINIX COMMUNICATIONS
Address: 1920 MAPLE AVE E

EQUINIX COMMUNICATIONS (Continued) **S119777458**

City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 419127
CERS ID: T10000010173
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOSHUA CWIKLA - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766713

C63 **EQUINIX LLC** **RCRA-SQG** **1000241003**
NE **1920 E MAPLE AVE** **CA HIST UST** **CAD981398209**
< 1/8 **EL SEGUNDO, CA 90245** **FINDS**
0.061 mi. **ECHO**
323 ft. **Site 11 of 11 in cluster C**

Relative: **Lower**
Actual: **110 ft.**

RCRA-SQG:
Date form received by agency: 1997-12-18 00:00:00.0
Facility name: RAYTHEON SYSTEMS CO
Facility address: 1920 E MAPLE ST
EL SEGUNDO, CA 90245
EPA ID: CAD981398209
Contact: DEAN RICHARDSON
Contact address: P O BOX 92426 R2 V557
LOS ANGELES, CA 90009-2426
Contact country: US
Contact telephone: 310-334-7385
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON CO
Owner/operator address: 141 SPRING ST
LEXINGTON, MA 02173
Owner/operator country: Not reported
Owner/operator telephone: 781-860-2590
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

EQUINIX LLC (Continued) **1000241003**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1986-04-22 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HIST UST:
Name: HUGHES AIRCRAFT CO. ELECTRO-OP
Address: 1920 E MAPLE AVE

EQUINIX LLC (Continued) **1000241003**

City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029297
Facility Type: Other
Other Type: ELECTRONICS
Contact Name: Not reported
Telephone: 2136165871
Owner Name: HUGHES AIRCRAFT CO..
Owner Address: 2100 E. EL SEGUNDO BLVD.
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0003

Tank Num: 001
Container Num: E41-T3
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: E41-T2
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: E41-T1
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

FINDS:

Registry ID: 110055766292

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Registry ID: 110002693595

EQUINIX LLC (Continued) **1000241003**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000241003
Registry ID:	110002693595
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002693595
Envid:	1000241003
Registry ID:	110055766292
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055766292

F64 **KEYSIGHT TECHNOLOGIES INC** **RCRA NonGen / NLR** **1024868460**
East **700 LAIRPORT ST** **CAL000437065**
< 1/8 **EL SEGUNDO, CA 90245**
0.063 mi.
331 ft. **Site 3 of 5 in cluster F**

Relative: **Lower**
Actual: **108 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2018-06-20 00:00:00.0
Facility name:	KEYSIGHT TECHNOLOGIES INC
Facility address:	700 LAIRPORT ST EL SEGUNDO, CA 90245
EPA ID:	CAL000437065
Contact:	GLENN GAZA
Contact address:	700 LAIRPORT ST EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-643-0438
Contact email:	GLENN.GAZA@KEYSIGHT.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KEYSIGHT TECHNOLOGIES INC
Owner/operator address:	1400 FOUNTAINGROVE PKWY SANTA ROSA, CA 95403
Owner/operator country:	Not reported
Owner/operator telephone:	707-577-5030
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

KEYSIGHT TECHNOLOGIES INC (Continued) **1024868460**

Owner/operator name:	GLENN GAZA
Owner/operator address:	700 LAIRPORT ST EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-643-0438
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

F65 **BLACKMORE & ASSOCIATES/ WIN INVESTMENTS, LP** **CA UST** **U004261080**
East **700 LAIRPORT STREET** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.063 mi.
331 ft. **Site 4 of 5 in cluster F**

Relative:
Lower

Actual:
108 ft.

EL SEGUNDO UST:

Name:	BLACKMORE & ASSOCIATES/ WIN INVESTMENTS, LP
Address:	700 LAIRPORT STREET
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

F66 **BLACKMORE ASSOCIATES** **CA LUST** **S102056743**
East **700 LAIRPORT ST** **CA CERS HAZ WASTE** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA SWEEPS UST**
0.063 mi. **CA LOS ANGELES CO. HMS**
331 ft. **Site 5 of 5 in cluster F** **CA CERS**

Relative: **Lower**
Actual: **108 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-11949	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705083	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/19/1986	
Date Leak First Reported:		6/19/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	6/19/1986	
Date Leak Stopped:	6/19/1986	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	BROWN, MIKE	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2119.7141904013907097162557088
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLACKMORE ASSOCIATES	
RP Address:	700 LAIRPORT STREET, EL SEGUNDO, CA	
Program:	LUST	
Lat/Long:	33.9050879 / -1	
Local Agency Staff:	SHT	

BLACKMORE ASSOCIATES (Continued) **S102056743**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705083
Global Id: T0603705083
Latitude: 33.9050879
Longitude: -118.3867277
Status: Completed - Case Closed
Status Date: 07/26/2006
Case Worker: SHT
RB Case Number: R-11949
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603705083
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705083
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Stopped

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

Global Id: T0603705083
Action Type: Other
Date: 06/19/1986
Action: Leak Discovery

LUST:
Global Id: T0603705083
Status: Open - Case Begin Date
Status Date: 06/19/1986

Global Id: T0603705083
Status: Open - Site Assessment
Status Date: 06/19/1986

Global Id: T0603705083
Status: Completed - Case Closed
Status Date: 07/26/2006

CERS HAZ WASTE:
Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: BLACKMORE ASS
Address: 700 LAIRPORT ST
City: EL SEGUNDO
Status: Active
Comp Number: 11949
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 011881-011949

BLACKMORE ASSOCIATES (Continued) **S102056743**

Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 000182656
Permit Status: Closed

CERS:
Name: BLACKMORE ASSOCIATES
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 238830
CERS ID: T0603705083
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: KEYSIGHT TECHNOLOGIES, INC.
Address: 700 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 364694
CERS ID: 10660756
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 10-17-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 11/03/2017. The facility did not have a final copy of manifest 001083854VES used to transport waste oil to Veolia. Locate a copy of all manifests for [001083854VES] and submit copies to the CUPA.

BLACKMORE ASSOCIATES (Continued) **S102056743**

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 364694
Site Name: Keysight Technologies, Inc.
Violation Date: 10-17-2017
Citation: 22 CCR 12 66262.23(a)(4) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)(4)
Violation Description: Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.
Violation Notes: Returned to compliance on 11/03/2017. The facility was not aware of the requirement for the generator to send a copy to the DTSC. No copies of the manifest were being sent to the State. Send a copy of all hazardous waste manifests to the DTSC and submit a statement to the CUPA demonstrating compliance.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Noted: Nitorgen, Helium, Argon, and waste oil. This facility has 30 days to fix the following corrective items. 1. Number of employees is not included on business owner/operator page. 2. Waste oil shall be added to disclosure. 3. This facility shall remove isopropanol and instapak molding foam from disclosure.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 364694
Facility Name: Keysight Technologies, Inc.
Env Int Type Code: HWG
Program ID: 10660756
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.907100
Longitude: -118.380500

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department

BLACKMORE ASSOCIATES (Continued) **S102056743**

Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Identification Signer
Entity Name:	Glenn Gaza
Entity Title:	Site Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Keysight Technologies
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 643-0438
Affiliation Type Desc:	Environmental Contact
Entity Name:	Rick Miller
Entity Title:	Not reported
Affiliation Address:	5301 Stevens Creek Boulevard Mail Stop #4ATC
Affiliation City:	Santa Clara
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95051
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	700 Lairport Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Keysight Technologies, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

BLACKMORE ASSOCIATES (Continued) **S102056743**

Affiliation Type Desc:	Document Preparer
Entity Name:	Rick Miller
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Keysight Technologies
Entity Title:	Not reported
Affiliation Address:	700 Lairport Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 643-0438

I67 **XPO LOGISTICS SUPPLY CHAIN** **CA CERS HAZ WASTE** **S121788975**
SSE **1921 EAST MARIPOSA AVE** **CA NPDES** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA CIWQS**
0.068 mi. **CA CERS**
361 ft. **Site 1 of 4 in cluster I**

Relative:
Lower

Actual:
112 ft.

CERS HAZ WASTE:

Name:	RAYTHEON COMPANY
Address:	1921 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	60615
CERS ID:	10131688
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC004198
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Discharge Zip:	Not reported
Status:	Active
Status Date:	06/08/2018
Operator Name:	XPO Logistics Supply Chain
Operator Address:	1921 East Mariposa Ave
Operator City:	El Segudo
Operator State:	California
Operator Zip:	90245

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	497999
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19NEC004198
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/08/2018
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1921 East Mariposa Ave
Discharge Name:	XPO Logistics Supply Chain
Discharge City:	El Segudo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 EAST MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	XPO Logistics Supply Chain
Agency Address:	1921 East Mariposa Ave, El Segudo, CA 90245
Place/Project Type:	Industrial - General Warehousing and Storage
SIC/NAICS:	4225
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC004198
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/08/2018
Termination Date:	Not reported

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.924271
Longitude:	-118.393855

CERS:

Name:	XPO LOGISTICS SUPPLY CHAIN
Address:	1921 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	441165
CERS ID:	10768069
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	441165
Site Name:	XPO Logistics Supply Chain
Violation Date:	11-19-2018
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 11/28/2018. Facility failed to obtain a hazardous materials CUPA permit while handling, using and or storing reportable quantities of hazardous materials (lead, sulfuric acid gel) at the site within 30 days this site will obtain a CUPA permit and pay any associated penalties for non compliance with regulatory agency
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	this facility failed to obtain a CUPA permit.
Eval Division:	El Segundo City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	441165
Facility Name:	XPO Logistics Supply Chain
Env Int Type Code:	HMBP
Program ID:	10768069
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.924260
Longitude:	-118.394120

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Affiliation:

Affiliation Type Desc:	Parent Corporation
Entity Name:	XPO Logistics
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	XPO Logistics
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(336) 604-4170

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Document Preparer
Entity Name:	Brian Killian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Regina DiLavore
Entity Title:	Not reported
Affiliation Address:	4043 Piedmont Parkway
Affiliation City:	High Point
Affiliation State:	NC
Affiliation Country:	Not reported
Affiliation Zip:	27265
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Brian Killian
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1921 East Mariposa Ave
Affiliation City: El Segudo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: XPO Logistics
Entity Title: Not reported
Affiliation Address: 1921 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 334-3829

Name: RAYTHEON COMPANY
Address: 1921 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 60615
CERS ID: 10131688
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Environmental Contact
Entity Name: Jayalakshmi Manju Mohan
Entity Title: Not reported
Affiliation Address: 2000 E El Segundo Blvd, Bldg E4 M/S N131

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Document Preparer
Entity Name:	Jayalakshmi Manju Mohan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Suzelle Moss
Entity Title:	Director of Environmental Health & Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2000 E El Segundo Blvd, Bldg E4 M/S N169
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Raytheon Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 647-4196
Affiliation Type Desc:	Parent Corporation

XPO LOGISTICS SUPPLY CHAIN (Continued) **S121788975**

Entity Name: Raytheon Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: XPO LOGISTICS SUPPLY CHAIN
Address: 1921 EAST MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 547080
CERS ID: 864344
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: XPO Logistics Supply Chain
Entity Title: Operator
Affiliation Address: 1921 East Mariposa Ave
Affiliation City: El Segudo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

I68 **HUGHES** **CA SWEEPS UST** **S106927428**
SSE **1921 MARIPOSA AVE** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.068 mi.
361 ft. **Site 2 of 4 in cluster I**

Relative:
Lower

Actual:
112 ft.

SWEEPS UST:
Name: HUGHES
Address: 1921 MARIPOSA AVE
City: EL SEGUNDO
Status: Active
Comp Number: 10311
Number: 9
Board Of Equalization: 44-008812
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010311-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Name: HUGHES
Address: 1921 MARIPOSA AVE

HUGHES (Continued) **S106927428**

City:	EL SEGUNDO
Status:	Active
Comp Number:	10311
Number:	9
Board Of Equalization:	44-008812
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-010311-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

I69 **RAYTHEON SYSTEMS COMPANY** **CA UST** **U003949031**
SSE **1921 E. MARIPOSA AVE.** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.068 mi.
361 ft. **Site 3 of 4 in cluster I**

Relative: **Lower**

Actual: **112 ft.**

EL SEGUNDO UST:

Name:	RAYTHEON COMPANY
Address:	1921 E. MARIPOSA AVE. BLDG. R-24
City:	EL SEGUNDO
Facility Type:	Facilities are Active (Inactive Date is blank)
Type of Action:	Motort vehicle fueling
CERT Number:	Not reported
Permit Number:	30-0122
Tank Number:	000001
Tank Status:	UST Removal
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Permanent Facility Closure
Date Inspected:	Not reported
Tank Number:	000002
Tank Status:	UST Removal
Tank Content:	Regular unleaded
Other Contents:	Not reported
Active:	Permanent Facility Closure
Date Inspected:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

UST:

RAYTHEON SYSTEMS COMPANY (Continued) **U003949031**

Name:	RAYTHEON SYSTEMS COMPANY
Address:	1921 E. MARIPOSA AVE.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	300122
Permitting Agency:	EL SEGUNDO, CITY OF
Latitude:	33.925617
Longitude:	-118.392772

I70 **RAYTHEON** **RCRA NonGen / NLR** **1024795750**
SSE **1917-21 E MARIPOSA AVE** **CAL000170201**
< 1/8 **EL SEGUNDO, CA 90245**
0.070 mi.
372 ft. **Site 4 of 4 in cluster I**

Relative:
Lower

Actual:
113 ft.

RCRA NonGen / NLR:

Date form received by agency:	1998-01-22 00:00:00.0
Facility name:	RAYTHEON
Facility address:	1917-21 E MARIPOSA AVE EL SEGUNDO, CA 90245-0000
EPA ID:	CAL000170201
Mailing address:	2000 E EL SEGUNDO BLVD EO E4 N131 EL SEGUNDO, CA 90245-4501
Contact:	MANJU MOHAN
Contact address:	2000 E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-647-1204
Contact email:	MANJU.MOHAN@RAYTHEON.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	870 WINTER ST WALTHAM, MA 02451
Owner/operator country:	Not reported
Owner/operator telephone:	781-769-3991
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MANJU MOHAN
Owner/operator address:	2000 E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-647-1204
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator

RAYTHEON (Continued) **1024795750**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J71 **LG NANOH2O** **RCRA-LQG** **1015740053**
East **750 LAIRPORT** **CAL000348691**
< 1/8 **EL SEGUNDO, CA 90245**
0.073 mi.
387 ft. **Site 1 of 6 in cluster J**

Relative: **Lower**
Actual: **109 ft.**

RCRA-LQG:
Date form received by agency: 2016-02-29 00:00:00.0
Facility name: LG NANOH2O
Facility address: 750 LAIRPORT
EL SEGUNDO, CA 90245
EPA ID: CAL000348691
Mailing address: HAWTHORNE BOULEVARD
SUITE 330
TORRANCE, CA 90503
Contact: ANDY HARRISON
Contact address: HAWTHORNE BOULEVARD SUITE 330
TORRANCE, CA 90503
Contact country: US
Contact telephone: 310-245-5550
Contact email: AHARRISON@NANO2O.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

LG NANOH2O (Continued) **1015740053**

Owner/Operator Summary:
- Owner/operator name: LG NANOH2O, INC
- Owner/operator address: HAWTHORNE BOULEVARD SUITE 330
  TORRANCE, CA 90503
- Owner/operator country: US
- Owner/operator telephone: 310-245-5550
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: 2014-04-29 00:00:00.0
- Owner/Op end date: Not reported

- Owner/operator name: LG NANOH2O, INC
- Owner/operator address: Not reported
  Not reported
- Owner/operator country: Not reported
- Owner/operator telephone: Not reported
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: 2014-04-29 00:00:00.0
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): Yes
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 2014-03-01 00:00:00.0
- Site name: NANOH2O
- Classification: Large Quantity Generator

- Date form received by agency: 2012-10-31 00:00:00.0
- Site name: NANOH2O, INC.
- Classification: Large Quantity Generator

Hazardous Waste Summary:

LG NANOH2O (Continued) **1015740053**

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 321
. Waste name: Sewage sludge

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: K061
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

LG NANOH2O (Continued) **1015740053**

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 86926

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 40

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 65728

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 2015-09-25 00:00:00.0
Date achieved compliance: 2015-10-30 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-11-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-09-25 00:00:00.0
Date achieved compliance: 2015-10-30 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-11-10 00:00:00.0
Enf. disposition status: Not reported

LG NANOH2O (Continued) **1015740053**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-09-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2015-10-30 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-09-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 2015-10-30 00:00:00.0
Evaluation lead agency: EPA

J72 **L A X AUTOBODY** **CA CERS HAZ WASTE** **S113057373**
East **760 LAIRPORT ST** **CA EMI** **N/A**
< 1/8 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.078 mi. **CA CERS**
412 ft. **Site 2 of 6 in cluster J**

Relative: **Lower**
Actual: **110 ft.**

CERS HAZ WASTE:
Name: CALIBER BODYWORKS INC. DBA CALIBER COLLISION CENTERS - EL SEGUNDO
Address: 760 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 21605
CERS ID: 10138047
CERS Description: Hazardous Waste Generator

EMI:
Name: COOKS COLLISION OF EL SEGUNDO
Address: 760 LAIRPORT
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2014
County Code: 19
Air Basin: SC
Facility ID: 172446
Air District Name: SC
SIC Code: 7539
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.37084773936
Reactive Organic Gases Tons/Yr: 0.35858
Carbon Monoxide Emissions Tons/Yr: 0.00857
NOX - Oxides of Nitrogen Tons/Yr: 0.03185
SOX - Oxides of Sulphur Tons/Yr: 0.00014
Particulate Matter Tons/Yr: 0.00797
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.0076328

Name: COOKS COLLISION OF EL SEGUNDO
Address: 760 LAIRPORT
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2016

L A X AUTOBODY (Continued) **S113057373**

County Code:	19
Air Basin:	SC
Facility ID:	172446
Air District Name:	SC
SIC Code:	7539
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4751686371
Reactive Organic Gases Tons/Yr:	0.460131
Carbon Monoxide Emissions Tons/Yr:	0.000653
NOX - Oxides of Nitrogen Tons/Yr:	0.00243
SOX - Oxides of Sulphur Tons/Yr:	1.12e-005
Particulate Matter Tons/Yr:	0.011377
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01092052

Name:	COOKS COLLISION OF EL SEGUNDO
Address:	760 LAIRPORT
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	172446
Air District Name:	SC
SIC Code:	7539
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03942908298
Reactive Organic Gases Tons/Yr:	0.037821
Carbon Monoxide Emissions Tons/Yr:	0.00403
NOX - Oxides of Nitrogen Tons/Yr:	0.01
SOX - Oxides of Sulphur Tons/Yr:	6.91e-005
Particulate Matter Tons/Yr:	0.0017878
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.001707658

HAZNET:

Name:	L A X AUTOBODY
Address:	760 LAIRPORT ST
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1996
GEPAID:	CAL000093446
Contact:	ANATOLY PRIMAK
Telephone:	3106400755
Mailing Name:	Not reported
Mailing Address:	760 LAIRPORT ST
Mailing City,St,Zip:	EL SEGUNDO, CA 902455006
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Tons:	0.28
CA Waste Code:	212-Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method:	H01-Transfer Station
Facility County:	Los Angeles

Name:	L A X AUTOBODY
Address:	760 LAIRPORT ST

L A X AUTOBODY (Continued) **S113057373**

City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1995
GEPAID: CAL000093446
Contact: ANATOLY PRIMAK
Telephone: 3106400755
Mailing Name: Not reported
Mailing Address: 760 LAIRPORT ST
Mailing City,St,Zip: EL SEGUNDO, CA 902455006
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Tons: 0.336
CA Waste Code: 212-Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method: H01-Transfer Station
Facility County: Los Angeles

Name: L A X AUTOBODY
Address: 760 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1994
GEPAID: CAL000093446
Contact: ANATOLY PRIMAK
Telephone: 3106400755
Mailing Name: Not reported
Mailing Address: 760 LAIRPORT ST
Mailing City,St,Zip: EL SEGUNDO, CA 902455006
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Tons: 0.112
CA Waste Code: 212-Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method: H01-Transfer Station
Facility County: Los Angeles

CERS:
Name: CALIBER BODYWORKS INC. DBA CALIBER COLLISION CENTERS - EL SEGUNDO
Address: 760 LAIRPORT ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 21605
CERS ID: 10138047
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 21605
Site Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date: 01-15-2019
Citation: 22 CCR 23 66273.35 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.35
Violation Description: Failure to accumulate universal waste for one year or less and to demonstrate the length of time that the universal waste has been accumulated from the date it became a waste or was received.
Violation Notes: Returned to compliance on 01/29/2019. Universal Waste Fluorescent Light Bulbs located in the Universal Waste Accumulation Area was observed with an accumulation start date of 12/29/17. Dispose of Universal Waste Fluorescent Light Bulbs and submit a copy of the manifest/receipt to the CUPA.
Violation Division: El Segundo City Fire Department

L A X AUTOBODY (Continued) **S113057373**

Violation Program:	HW
Violation Source:	CERS
Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date:	01-15-2019
Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 02/13/2019. Approximately three empty 5-gallon containers that previously held solvent were observed in the hazardous waste accumulation area without labels. Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date:	04-05-2016
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 04/13/2016.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	21605
Site Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Violation Date:	01-15-2019
Citation:	22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)

L A X AUTOBODY (Continued) **S113057373**

Violation Description: Failure to meet the following conditions of satellite accumulation regulations: ? Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. ? Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. ? The generator complies with section 66265.171, 66265.172, and 66265.173(a). ? The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words ?Hazardous Waste? including specified information ? Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a ?90 day? accumulation area ? 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes: Returned to compliance on 01/29/2019. Failure of the Owner/Operator to comply with one or more satellite accumulation requirements. Facility is exceeding the 55-gallon limit per waste stream of satellite accumulation for the bondo process. The facility currently holds 3 x 55-gallon drums of hazardous waste bondo dust/debris. Ensure that all hazardous wastes being accumulated pursuant to satellite accumulation meet all applicable requirements and submit documentation of compliance to the CUPA. Facility shall limit hazardous waste satellite accumulation not to exceed a single 55-gallon amount per waste stream.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility shall add 2 drums to "waste paint related material" submittal.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW

L A X AUTOBODY (Continued) **S113057373**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: There were three satellite accumulation containers observed during the inspection for the same process. Each container was assigned to an individual worker at the point of generation and all workers were in the same room, a violation of 22 CCR 12 66262.34(e)(2).
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 21605
Site Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Site Address: 760 LAIRPORT ST
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-19-2019
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $1,000.00. State of California v. Cooks Collision Inc, State case final Judgement/injuntcion.
Enf Action Division: El Segundo City Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS

Coordinates:
Site ID: 21605
Facility Name: Caliber Bodyworks Inc. dba Caliber Collision Centers - El Segundo
Env Int Type Code: HWG
Program ID: 10138047
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.926180
Longitude: -118.392700

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Christine Abad
Entity Title: Not reported
Affiliation Address: 2990 Lava Ridge Ct Ste 200
Affiliation City: Roseville
Affiliation State: CA
Affiliation Country: Not reported

L A X AUTOBODY (Continued) **S113057373**

Affiliation Zip:	95661
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	KPA LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	760 Lairport St
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Caliber Collision
Entity Title:	Not reported
Affiliation Address:	2941 Lake Vista Dr
Affiliation City:	Lewisville
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	75067
Affiliation Phone:	(469) 948-9500
Affiliation Type Desc:	Operator
Entity Name:	Christine Abad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(916) 305-8386
Affiliation Type Desc:	Parent Corporation
Entity Name:	Caliber Bodyworks Inc. dba Caliber Collision Centers California
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street

L A X AUTOBODY (Continued) **S113057373**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Identification Signer
Entity Name:	Christine Abad
Entity Title:	Environmental Health and Safety Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

J73 **COOKS COLLISION OF EL SEGUNDO** **RCRA NonGen / NLR** **1024834041**
East **760 LAIRPORT ST** **CAL000373971**
< 1/8 **EL SEGUNDO, CA 90245**
0.078 mi.
412 ft. **Site 3 of 6 in cluster J**

Relative: **Lower**

Actual: **110 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2012-04-25 00:00:00.0
Facility name:	COOKS COLLISION OF EL SEGUNDO
Facility address:	760 LAIRPORT ST EL SEGUNDO, CA 90245
EPA ID:	CAL000373971
Mailing address:	2990 LAVA RIDGE CT STE 200 ROSEVILLE, CA 95661-0000
Contact:	COURTNEY MORGAN-VOYCE
Contact address:	2990 LAVA RIDGE COURT, SUITE 200 ROSEVILLE, CA 95661
Contact country:	Not reported
Contact telephone:	916-719-4193
Contact email:	CMORGAN-VOYCE@COOKSCOLLISION.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	COOKS COLLISION INC
Owner/operator address:	2990 LAVA RIDGE COURT STE 200 ROSEVILLE, CA 95661
Owner/operator country:	Not reported
Owner/operator telephone:	916-786-2943
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	COURTNEY MORGAN-VOYCE
Owner/operator address:	2990 LAVA RIDGE COURT, SUITE 200

COOKS COLLISION OF EL SEGUNDO (Continued) **1024834041**

ROSEVILLE, CA 95661
Owner/operator country: Not reported
Owner/operator telephone: 916-719-4193
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J74 **COOKS COLLISION OF EL SEGUNDO** **RCRA-SQG** **1000985285**
East **760 LAIRPORT ST** **FINDS** **CA0001037894**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.078 mi.
412 ft. **Site 4 of 6 in cluster J**

Relative:
Lower

Actual:
110 ft.

RCRA-SQG:
Date form received by agency: 1999-01-27 00:00:00.0
Facility name: LAX AUTO BODY AND PAINT
Facility address: 760 LAIRPORT ST
EL SEGUNDO, CA 90245
EPA ID: CA0001037894
Contact: ARTHUR ANDERTON
Contact address: 760 LAIRPORT ST
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-640-0755
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HOLMES BODY SHOP

COOKS COLLISION OF EL SEGUNDO (Continued) **1000985285**

Owner/operator address: 1095 E COLORADO BLVD
PASADENA, CA 91106
Owner/operator country: Not reported
Owner/operator telephone: 626-795-6447
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002624544

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

COOKS COLLISION OF EL SEGUNDO (Continued) **1000985285**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055747973

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Registry ID: 110070539650

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000985285
Registry ID: 110055747973
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055747973

Envid: 1000985285
Registry ID: 110002624544
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002624544

J75 **COOKS COLLISION AN ABRA COMPANY ELSE** **RCRA NonGen / NLR** **1024871183**
East **760 LAIRPORT STREET** **CAL000439827**
< 1/8 **EL SEGUNDO, CA 90245**
0.078 mi.
412 ft. **Site 5 of 6 in cluster J**

Relative: **Lower**
Actual: **110 ft.**

RCRA NonGen / NLR:
Date form received by agency: 2018-10-15 00:00:00.0
Facility name: COOKS COLLISION AN ABRA COMPANY ELSE
Facility address: 760 LAIRPORT STREET
EL SEGUNDO, CA 90245
EPA ID: CAL000439827
Contact: CHRIS ROSE
Contact address: 760 LAIRPORT STREET

COOKS COLLISION AN ABRA COMPANY ELSE (Continued) **1024871183**

WESTLAKE VILLAGE, CA 90245
Contact country: Not reported
Contact telephone: 707-249-0468
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CHRIS ROSE
Owner/operator address: 760 LAIRPORT STREET
WESTLAKE VILLAGE, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 707-249-0468
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ABRA AUTO BODY & GLASS LP
Owner/operator address: 7225 NORTHLAND DR #210
BROOKLYN PARK, MN 55428
Owner/operator country: Not reported
Owner/operator telephone: 715-210-3792
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

J76 **CALIBER COLLISION CENTERS** **RCRA NonGen / NLR** **1024874608**
East **760 LAIRPORT ST** **CAL000443264**
< 1/8 **EL SEGUNDO, CA 90245**
0.078 mi.
412 ft. **Site 6 of 6 in cluster J**

Relative:
Lower

Actual:
110 ft.

RCRA NonGen / NLR:

Date form received by agency:	2019-02-07 00:00:00.0
Facility name:	CALIBER COLLISION CENTERS
Facility address:	760 LAIRPORT ST EL SEGUNDO, CA 90245
EPA ID:	CAL000443264
Mailing address:	401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
Contact:	SHARON LAWRENCE
Contact address:	401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
Contact country:	Not reported
Contact telephone:	469-948-9500
Contact email:	LICENSEANDPERMITS@CALIBERCOLLISION.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SHARON LAWRENCE
Owner/operator address:	401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
Owner/operator country:	Not reported
Owner/operator telephone:	469-948-9500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CALIBER BODYWORKS INC
Owner/operator address:	401 E CORPORATE DR SUITE 150 LEWISVILLE, TX 75057
Owner/operator country:	Not reported
Owner/operator telephone:	469-948-9500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CALIBER COLLISION CENTERS (Continued) **1024874608**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

K77 **FRITO LAY INC EL SEGUNDO** **RCRA-SQG** **1000415310**
ENE **1924 EAST MAPLE** **CAD981661572**
< 1/8 **EL SEGUNDO, CA 90245**
0.098 mi.
520 ft. **Site 1 of 5 in cluster K**

Relative:
Lower

Actual:
109 ft.

RCRA-SQG:

Date form received by agency:	1986-10-06 00:00:00.0
Facility name:	FRITO LAY INC EL SEGUNDO
Facility address:	1924 EAST MAPLE EL SEGUNDO, CA 90245
EPA ID:	CAD981661572
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1924 EAST MAPLE EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	213-678-3464
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRITO LAY INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

FRITO LAY INC EL SEGUNDO (Continued) **1000415310**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

L78 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261121**
NNW **800 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.105 mi.
555 ft. **Site 1 of 3 in cluster L**

Relative: **Higher**
Actual: **121 ft.**

EL SEGUNDO UST:
Name: HUGHES SPACE & COMMUNICATIONS
Address: 800 N. SEPULVEDA BL.
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

L79 **HUGHES AIRCRAFT/GILBERT** **CA ENVIROSTOR** **S111842201**
NNW **800 N. SEPULVEDA BLVD.** **CA VCP** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.105 mi.
555 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
121 ft.

ENVIROSTOR:

Name:	HUGHES AIRCRAFT/GILBERT
Address:	800 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19370368
Status:	No Further Action
Status Date:	10/09/1996
Site Code:	300599
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.2
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92666
Longitude:	-118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT
Alias Type:	Alternate Name
Alias Name:	4138-005-028
Alias Type:	APN
Alias Name:	110033614989
Alias Type:	EPA (FRS #)
Alias Name:	300599
Alias Type:	Project Code (Site Code)
Alias Name:	19370368
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/1996

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Comments:	A VCP agreement was signed to submit and review a modified PEA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/09/1996
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	HUGHES AIRCRAFT/GILBERT
Address:	800 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19370368
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.2
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Site Code:	300599
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	10/09/1996
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.92666 / -118.3963
APN:	4138-005-028
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	10003, 10009
Confirmed COC:	NONE SPECIFIED
Potential Description:	SV, IA
Alias Name:	GILBERT
Alias Type:	Alternate Name
Alias Name:	GILBERT FINANCIAL/HUGHES
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT - GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES AIRCRAFT GILBERT
Alias Type:	Alternate Name
Alias Name:	HUGHES/GILBERT

HUGHES AIRCRAFT/GILBERT (Continued) **S111842201**

Alias Type: Alternate Name
Alias Name: 4138-005-028
Alias Type: APN
Alias Name: 110033614989
Alias Type: EPA (FRS #)
Alias Name: 300599
Alias Type: Project Code (Site Code)
Alias Name: 19370368
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/08/1996
Comments: A VCP agreement was signed to submit and review a modified PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/09/1996
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

L80 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102056903**
NNW **800 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.105 mi.
555 ft. **Site 3 of 3 in cluster L**

Relative: **Higher**
Actual: **121 ft.**

SWEEPS UST:
Name: HUGHES AIRCRAFT/ C/O DON BRUSS
Address: 800 N SEPULVEDA BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 13533
Number: Not reported
Board Of Equalization: 44-010180
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013533-000001
Tank Status: Not reported
Capacity: 100
Active Date: Not reported
Tank Use: HAZARDOUS
STG: WASTE
Content: Not reported

HUGHES AIRCRAFT CO SCG (Continued) **S102056903**

Number Of Tanks: 1

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 800 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013222-013533
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005160T
Permit Status: Closed

M81 **THE HERTZ CORPORATION** **CA HIST UST** **U001563027**
SSW **540 N SEPULVEDA BLVD** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
561 ft. **Site 1 of 3 in cluster M**

Relative:
Higher

Actual:
132 ft.

HIST UST:
Name: THE HERTZ CORPORATION
Address: 540 N SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00028B96
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028B96.pdf
Region: STATE
Facility ID: 00000005367
Facility Type: Other
Other Type: RENT A CAR
Contact Name: H. WOXBERG
Telephone: 2133226167
Owner Name: THE HERTZ CORPORATION
Owner Address: 540 N. SEPULVEDA BLVD
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1971
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

Tank Num: 002
Container Num: 2
Year Installed: 1971
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Pressure Test

THE HERTZ CORPORATION (Continued) **U001563027**

Click here for Geo Tracker PDF:

M82 **OVERTON MOORE & ASSOCIATES** **CA SWEEPS UST** **S102056516**
SSW **540 N SEPULVEDA BLVD** **CA LOS ANGELES CO. HMS** **N/A**
< 1/8 **EL SEGUNDO, CA 90245**
0.106 mi.
561 ft. **Site 2 of 3 in cluster M**

Relative: **Higher**
Actual: **132 ft.**

SWEEPS UST:

Name:	OVERTON MOORE & ASSOCIATES
Address:	540 N SEPULVEDA BLVD
City:	EL SEGUNDO
Status:	Active
Comp Number:	9105
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LOS ANGELES CO. HMS:

Name:	OVERTON MOORE & ASSOCIATES
Address:	540 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	LA
Permit Category:	T
Facility Id:	009304-009105
Facility Type:	Not reported
Facility Status:	Closed
Area:	2N
Permit Number:	Not reported
Permit Status:	Not reported

M83 **OVERTON MOORE & ASSOCIATES** **CA UST** **U004261151**
SSW **541 N. SEPULVEDA BL.** **N/A**
< 1/8 **EL SEGUNDO, CA**
0.116 mi.
612 ft. **Site 3 of 3 in cluster M**

Relative: **Higher**
Actual: **124 ft.**

EL SEGUNDO UST:

Name:	OVERTON MOORE & ASSOCIATES
Address:	541 N. SEPULVEDA BL.
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported

OVERTON MOORE & ASSOCIATES (Continued) **U004261151**

Tank Number:	Not reported
Tank Status:	Remediation Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

K84 **ULTRA COLOR INC** **RCRA-SQG** **1000352406**
ENE **1926 EAST MAPLE** **FINDS** **CAD059215616**
< 1/8 **EL SEGUNDO, CA 90245** **ECHO**
0.123 mi.
648 ft. **Site 2 of 5 in cluster K**

Relative:
Lower

Actual:
109 ft.

RCRA-SQG:

Date form received by agency:	1996-09-01 00:00:00.0
Facility name:	ULTRA COLOR INC
Facility address:	1926 EAST MAPLE EL SEGUNDO, CA 90245
EPA ID:	CAD059215616
Mailing address:	EAST MAPLE EL SEGUNDO, CA 90245
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	COLOR TRON INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

ULTRA COLOR INC (Continued) **1000352406**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002651906

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000352406
Registry ID: 110002651906
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002651906

K85 **EX17-1925 MAPLE JV, LLC** **RCRA NonGen / NLR** **1024751897**
ENE **1925 E. MAPLE AVE** **CAC002971694**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.138 mi.
731 ft. **Site 3 of 5 in cluster K**

Relative: **Lower**

Actual: **108 ft.**

RCRA NonGen / NLR:
Date form received by agency: 2018-07-19 00:00:00.0
Facility name: EX17-1925 MAPLE JV, LLC
Facility address: 1925 E. MAPLE AVE
EL SEGUNDO, CA 90245
EPA ID: CAC002971694

EX17-1925 MAPLE JV, LLC (Continued) **1024751897**

Mailing address:	1099 18TH ST #2900 DENVER, CO 90202
Contact:	EX17-1925 MAPLE JV, LLC
Contact address:	1099 18TH ST #2900 DENVER, CO 90202
Contact country:	Not reported
Contact telephone:	303-233-3345
Contact email:	JANICE@ABSOLUTEABATEMENTINC.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	EX17-1925 MAPLE JV, LLC
Owner/operator address:	1099 18TH ST #2900 DENVER, CO 90202
Owner/operator country:	Not reported
Owner/operator telephone:	303-233-3345
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	EX17-1925 MAPLE JV, LLC
Owner/operator address:	1099 18TH ST #2900 DENVER, CO 90202
Owner/operator country:	Not reported
Owner/operator telephone:	303-233-3345
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

EX17-1925 MAPLE JV, LLC (Continued) **1024751897**

Violation Status: No violations found

K86 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S102058283**
ENE **1925 E MAPLE AVE** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.138 mi.
731 ft. **Site 4 of 5 in cluster K**

Relative:
Lower

Actual:
108 ft.

SWEEPS UST:

Name:	HUGHES AIRCRAFT CO SCG
Address:	1925 E MAPLE AVE
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	13531
Number:	Not reported
Board Of Equalization:	44-008026
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013531-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	HAZARDOUS
STG:	WASTE
Content:	Not reported
Number Of Tanks:	4

Name:	HUGHES AIRCRAFT CO SCG
Address:	1925 E MAPLE AVE
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	13531
Number:	Not reported
Board Of Equalization:	44-008026
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-013531-000002
Tank Status:	Not reported
Capacity:	2530
Active Date:	Not reported
Tank Use:	HAZARDOUS
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	HUGHES AIRCRAFT CO SCG
Address:	1925 E MAPLE AVE
City:	EL SEGUNDO
Status:	Not reported
Comp Number:	13531
Number:	Not reported
Board Of Equalization:	44-008026
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

HUGHES AIRCRAFT CO SCG (Continued) **S102058283**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013531-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: HAZARDOUS
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO SCG
Address: 1925 E MAPLE AVE
City: EL SEGUNDO
Status: Not reported
Comp Number: 13531
Number: Not reported
Board Of Equalization: 44-008026
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013531-000004
Tank Status: Not reported
Capacity: 2047
Active Date: Not reported
Tank Use: HAZARDOUS
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 1925 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013220-013531
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005158T
Permit Status: Closed

K87 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261118**
ENE **1925 E. MAPLE AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.138 mi.
731 ft. **Site 5 of 5 in cluster K**

Relative: EL SEGUNDO UST:
Lower
Actual: Name: HUGHES SPACE & COMMUNICATIONS
108 ft. Address: 1925 E. MAPLE AVENUE
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

HUGHES SPACE & COMMUNICATIONS (Continued) **U004261118**

Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

N88 **SPRING CLEANERS** **CA DRYCLEANERS** **S121696818**
ESE **2003 E MARIPOSA AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.139 mi.
733 ft. **Site 1 of 5 in cluster N**

Relative: **Lower**
Actual: **107 ft.**

DRYCLEAN SOUTH COAST:

Name:	SPRING CLEANERS
Address:	2003 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	186178
Application Number:	599124
Permit Number:	G49830
Status:	A
Representative Name:	MARCOS NERI
Representative Telephone:	310 4846889
Permit Status:	INACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	371.27999878
UTM North:	3754.3701172

Name:	SPRING CLEANERS
Address:	2003 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	186178
Application Number:	605660
Permit Number:	G53521
Status:	A
Representative Name:	MARCOS NERI
Representative Telephone:	310 4846889
Permit Status:	ACTIVE
BCAT Number:	000233
BCAT Description:	DRY CLEANING EQUIP PETROLEUM SOLVENT
CCAT Number:	Not reported
CCAT Description:	Not reported
UTM East:	371.27999878
UTM North:	3754.3701172

89
ENE
1/8-1/4
0.156 mi.
826 ft.

HUGHES AIRCRAFT CO/ SCG
1925 MAPLE ST E
EL SEGUNDO, CA 90245

CA LUST **S102431539**
CA HIST CORTESE **N/A**
CA CERS

Relative:
Lower

Actual:
107 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13531	
Status:	Case Closed	
Substance:	Isopropyl Alcohol	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		OT
Global ID:	T0603705197	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	SEPULVEDA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/10/1994	
Date Leak First Reported:		11/28/1994
Date Leak Record Entered:	5/24/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	9/29/1994	
Date Case Last Changed on Database:		1/3/1996
Date the Case was Closed:		1/3/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9450.65933227475287913753422
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO.	
RP Address:	BLDG 225/MS C375 P.O. BOX 92919 LA CA 90009	
Program:	LUST	
Lat/Long:	33.9270474 / -1	
Local Agency Staff:	SHT	

HUGHES AIRCRAFT CO/ SCG (Continued) **S102431539**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TPH-1200PPM, ACETONE-250PPM UNDER PIPING AROUND ROOM 1610

LUST:
Name: HUGHES AIRCRAFT CO/ SCG
Address: 1925 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705197
Global Id: T0603705197
Latitude: 33.927358
Longitude: -118.392281
Status: Completed - Case Closed
Status Date: 01/03/1996
Case Worker: SHT
RB Case Number: R-13531
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Alcohols
Site History: Not reported

LUST:
Global Id: T0603705197
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705197
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705197
Action Type: Other
Date: 10/10/1994
Action: Leak Discovery

Global Id: T0603705197
Action Type: Other
Date: 09/29/1994
Action: Leak Stopped

HUGHES AIRCRAFT CO/ SCG (Continued) **S102431539**

Global Id: T0603705197
Action Type: Other
Date: 11/28/1994
Action: Leak Reported

LUST:
Global Id: T0603705197
Status: Open - Case Begin Date
Status Date: 09/29/1994

Global Id: T0603705197
Status: Completed - Case Closed
Status Date: 01/03/1996

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT CO/ SCG
edr_fadd1: 1925 MAPLE
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13531

CERS:
Name: HUGHES AIRCRAFT CO/ SCG
Address: 1925 MAPLE ST E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 244220
CERS ID: T0603705197
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

O90 **ZIEGLER, KEN** **RCRA NonGen / NLR** **1024771298**
NW **1625 E. MAPLE AVENUE** **CAC002991209**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
830 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
130 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-11-30 00:00:00.0
Facility name:	ZIEGLER, KEN
Facility address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAC002991209
Contact:	ZIEGLER, KEN
Contact address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-462-3884
Contact email:	ANDREWC@PWSEI.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-462-3884
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-462-3884
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

ZIEGLER, KEN (Continued) **1024771298**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

O91 **ZIEGLER, KEN** **RCRA NonGen / NLR** **1024770224**
NW **1625 E. MAPLE AVENUE** **CAC002990127**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.157 mi.
830 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
130 ft.

RCRA NonGen / NLR:

Date form received by agency:	2018-11-20 00:00:00.0
Facility name:	ZIEGLER, KEN
Facility address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAC002990127
Contact:	ZIEGLER, KEN
Contact address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Contact country:	Not reported
Contact telephone:	310-529-0553
Contact email:	ANDREWC@PWSEI.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-529-0553
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ZIEGLER, KEN
Owner/operator address:	1625 E. MAPLE AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	310-529-0553
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

ZIEGLER, KEN (Continued) **1024770224**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

N92 **KILROY INDUSTRIES** **CA UST** **U004261128**
ESE **2031 E. MARIPOSA AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.160 mi.
845 ft. **Site 2 of 5 in cluster N**

Relative: **Lower**
Actual: **107 ft.**

EL SEGUNDO UST:
Name: KILROY INDUSTRIES
Address: 2031 E. MARIPOSA AVENUE
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Remediation Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

N93 **NORTHROP CORP-AIRCRAFT DIV** **CA ENVIROSTOR** **S118757542**
ESE **2031 E MARIPOSA AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90250**
0.160 mi.
845 ft. **Site 3 of 5 in cluster N**

Relative: **Lower**
Actual: **107 ft.**

ENVIROSTOR:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Facility ID: 80001646
Status: No Action Required
Status Date: 06/19/2013
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action

NORTHROP CORP-AIRCRAFT DIV (Continued) **S118757542**

Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Katherine Gould
Supervisor:	* Unknown
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92483
Longitude:	-118.3908
APN:	4138019002
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	CAD009687336
Alias Type:	EPA Identification Number
Alias Name:	80001646
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	04/30/1990
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

N94 **MATTEL TOYS INC** **RCRA-LQG** **1000472823**
ESE **2031 MARIPOSA** **CA CERS HAZ WASTE** **CAD982433401**
1/8-1/4 **EL SEGUNDO, CA 90245** **FINDS**
0.160 mi. **ECHO**
845 ft. **Site 4 of 5 in cluster N** **CA HWP**
CA NPDES
Relative: **CA WDS**
Lower **CA CIWQS**
CA CERS
Actual:
107 ft.

RCRA-LQG:

Date form received by agency:	2010-02-24 00:00:00.0
Facility name:	MATTELL INC.
Facility address:	2031 MARIPOSA AVENUE

MATTEL TOYS INC (Continued) **1000472823**

EL SEGUNDO, CA 90245
EPA ID: CAD982433401
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: NAVREET UPPAL
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-252-3526
Contact email: NAVREET.UPPAL@MATTEL.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: KILROY INDUSTRIES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US

MATTEL TOYS INC (Continued) **1000472823**

Owner/operator telephone: 310-252-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1991-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: MATTEL INC.
Owner/operator address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-252-2000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1991-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 2002-02-20 00:00:00.0
Site name: MATTEL, INC. DESIGN CENTER
Classification: Small Quantity Generator

Date form received by agency: 2002-02-20 00:00:00.0
Site name: MATTEL, INC. DESIGN CENTER
Classification: Large Quantity Generator

MATTEL TOYS INC (Continued) **1000472823**

Date form received by agency: 2000-10-12 00:00:00.0
Site name: MATTEL DESIGN CENTER
Classification: Large Quantity Generator

Date form received by agency: 1999-04-15 00:00:00.0
Site name: MATTEL, INC.
Classification: Large Quantity Generator

Date form received by agency: 1990-12-05 00:00:00.0
Site name: MATTEL TOYS DESIGN CENTER
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: D001
. Waste name: IGNITABLE WASTE

MATTEL TOYS INC (Continued) **1000472823**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159

MATTEL TOYS INC (Continued) **1000472823**

. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-25 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-25 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Container Use and Management
Date violation determined: 2015-09-24 00:00:00.0
Date achieved compliance: 2015-09-24 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-09-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2015-09-25 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-09-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 2015-09-25 00:00:00.0

MATTEL TOYS INC (Continued) **1000472823**

Evaluation lead agency: EPA

Evaluation date: 2015-09-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 2015-09-24 00:00:00.0
Evaluation lead agency: EPA

CERS HAZ WASTE:
Name: MATTEL HANDLER TEAM CENTER
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 47142
CERS ID: 10593142
CERS Description: Hazardous Waste Generator

FINDS:

Registry ID: 110000784982

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000472823
Registry ID: 110000784982
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000784982

HWP:
Name: NORTHROP CORP-AIRCRAFT DIV
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
EPA Id: CAD009687336
Cleanup Status: PROTECTIVE FILER

MATTEL TOYS INC (Continued) **1000472823**

Latitude:	33.92483
Longitude:	-118.3908
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	53
Senate District:	24
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	07/21/1988

EPA Id:	CAD009687336
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	06/25/1984

NPDES:

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I002527
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/01/1992
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

MATTEL TOYS INC (Continued) **1000472823**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188987
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS

MATTEL TOYS INC (Continued) **1000472823**

Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188987
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I002527
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Termination Date Of Regulatory Measure:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	333 Continental Blvd M1 0530
Discharge Name:	Mattel Toys
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188987
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mattel Toys
Discharge Address:	333 Continental Blvd M1 0530
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

MATTEL TOYS INC (Continued) **1000472823**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188987
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/01/1992
Place Size:	9

MATTEL TOYS INC (Continued) **1000472823**

Place Size Unit:	Acres
Contact:	Sarah Levine
Contact Title:	Associate Manager EHS
Contact Phone:	310-252-4894
Contact Phone Ext:	Not reported
Contact Email:	sarah.levine@mattel.com
Operator Name:	Mattel Toys
Operator Address:	333 Continental Blvd M1 0530
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Sarah Levine
Operator Contact Title:	Associate Manager EHS
Operator Contact Phone:	310-252-4894
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sarah.levine@mattel.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-252-4500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Pedro Bay
Certifier:	Sarah Levine
Certifier Title:	Associate Manager EHS
Certification Date:	13-MAY-15
Primary Sic:	3942-Dolls and Stuffed Toys
Secondary Sic:	3545-Cutting Tools, Machine Tool Accessories, and Machinists' Precision Measuring Devices
Tertiary Sic:	3944-Games, Toys, and Children's Vehicles, Except Dolls and Bicycles

WDS:

Name:	MATTEL TOYS DESIGN CENTER
Address:	2031 E Mariposa Ave

MATTEL TOYS INC (Continued) **1000472823**

City:	EL SEGUNDO
Facility ID:	4 19I002527
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3102523570
Facility Contact:	TOM BOXWELL
Agency Name:	MATTEL TOYS INC.
Agency Address:	333 Continental Blvd.
Agency City,St,Zip:	El Segundo 902455012
Agency Contact:	TOM BOXWELL
Agency Telephone:	3102523570
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	MATTEL TOYS DESIGN CTR
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Mattel Toys
Agency Address:	333 Continental Blvd M1 0530, El Segundo, CA 90245
Place/Project Type:	Industrial - Dolls and Stuffed Toys
SIC/NAICS:	3942(+)
Region:	4
Program:	INDSTW

MATTEL TOYS INC (Continued) **1000472823**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002527
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/01/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.92363
Longitude:	-118.39088

CERS:

Name:	MATTEL HANDLER TEAM CENTER
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47142
CERS ID:	10593142
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/19/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	47142
Site Name:	Mattel Handler Team Center
Violation Date:	09-19-2017
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	The facility is not maintaining the final copy of most of the manifests that were shipped in 2017. A final copy must be obtained

MATTEL TOYS INC (Continued) **1000472823**

within 30 days or an Exception Report sent to the DTSC. Locate a copy of all manifests for 001188031, 010416609, 010978266, 010394531, 010392422 and submit copies to the CUPA.

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: The facility is working with metals in the grinding room and may be generating toxic metal fines. Please have a State Certified laboratory run a CAM 17 minus mercury on the material being collected in the collection unit. Send a copy of the test results to ESFD to determine if the waste is toxic and must be managed a hazardous waste. The facility has not made a waste determination for the dust collected in the metal grinding room.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: One of the drums was not screwed to the drum tightly and the lid would not latch to the funnel due to damage. All funnels shall be connected to the drum securely and the lids clamped closed.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100

MATTEL TOYS INC (Continued) **1000472823**

percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 10-29-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/08/2014. HMBEP was submitted under wrong address.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/04/2017. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain

MATTEL TOYS INC (Continued) **1000472823**

training records for a minimum of three years.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47142
Site Name: Mattel Handler Team Center
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility must submit HMBEP into CERs under this address by 11/14/14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 47142
Facility Name: Mattel Handler Team Center
Env Int Type Code: HWG

MATTEL TOYS INC (Continued) **1000472823**

Program ID: 10593142
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.924840
Longitude: -118.390890

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-2000

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Toni Powell
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2031 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

MATTEL TOYS INC (Continued) **1000472823**

Affiliation Type Desc:	Legal Owner
Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 252-2000

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Parent Corporation
Entity Name:	MATTEL, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	NORTHROP CORP-AIRCRAFT DIV
Address:	2031 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902500000
Site ID:	215019
CERS ID:	CAD009687336
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	DEACT PER 11/94 SURVEY - P. H.
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	--

Affiliation Type Desc:	Facility Owner
Entity Name:	NORTHROP CORPORATION
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	0000000000

MATTEL TOYS INC (Continued) **1000472823**

Name: NORTHROP CORP-AIRCRA
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902500000
Site ID: 371415
CERS ID: 80001646
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: KATHERINE GOULD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: MATTEL TOYS DESIGN CTR
Address: 2031 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 536520
CERS ID: 242522
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 536520
Site Name: Mattel Toys Design Ctr
Violation Date: 05-25-2004
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 5/25/04 NOT Inspection: Rusting trash bins, office furniture, miscellaneous debris, rusting drums exposed to rain water.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Site ID: 536520
Site Name: Mattel Toys Design Ctr
Violation Date: 02-05-2009
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: 0.203 & 0.215 mg/L of Zn were detected at the sample locations, DC Sample Point & Warehouse Sample Point, respectively, on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

MATTEL TOYS INC (Continued) **1000472823**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-12-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-13-2001
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Enforcement Action:

Site ID:	536520
Site Name:	Mattel Toys Design Ctr
Site Address:	2031 E MARIPOSA AVE
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	05-28-2004
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	Denial of NOT letter sent 5/28/04 because facility was not in compliance with industrial stormwater permit.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Site ID:	536520
Site Name:	Mattel Toys Design Ctr
Site Address:	2031 E MARIPOSA AVE
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	12-13-2010
Enf Action Type:	Staff Enforcement Letter
Enf Action Description:	Staff Enforcement Letter
Enf Action Notes:	The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Mattel Toys
Entity Title:	Operator
Affiliation Address:	333 Continental Blvd M1 0530

MATTEL TOYS INC (Continued) **1000472823**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

N95 **NORTHROP CORP AIRCRAFT DIV** **RCRA-TSDF** **1000409965**
ESE **2031 E MARIPOSA AVE** **RCRA NonGen / NLR** **CAD009687336**
1/8-1/4 **EL SEGUNDO, CA 90245** **FINDS**
0.160 mi. **ECHO**
845 ft. **Site 5 of 5 in cluster N**

Relative:
Lower

Actual:
107 ft.

RCRA-TSDF:

Date form received by agency:	1998-09-24 00:00:00.0
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2031 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAD009687336
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	MARY ELAINE PALACIO
Contact address:	ONE HORNET WY EL SEGUNDO, CA 90245-2804
Contact country:	US
Contact telephone:	310-332-4114
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address:	2031 EAST MARIPOSA AVE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1993-09-09 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-04-30 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1987-06-26 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1987-01-13 00:00:00.0
Date achieved compliance: 1987-08-03 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Enforcement action date: 1987-02-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1987-06-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-01-13 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1987-08-03 00:00:00.0
Evaluation lead agency: State

RCRA NonGen / NLR:
Date form received by agency: 1998-09-24 00:00:00.0
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2031 E MARIPOSA AVE
EL SEGUNDO, CA 90245
EPA ID: CAD009687336
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: MARY ELAINE PALACIO
Contact address: ONE HORNET WY
EL SEGUNDO, CA 90245-2804
Contact country: US
Contact telephone: 310-332-4114
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address: 2031 EAST MARIPOSA AVE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Owner/operator name: NORTHROP CORP.,AIRCRAFT DIVISION AQ
Owner/operator address: 2031 EAST MARIPOSA AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1993-09-09 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-04-30 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1987-06-26 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409965**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1987-01-13 00:00:00.0
Date achieved compliance: 1987-08-03 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1987-02-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1987-06-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-01-13 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1987-08-03 00:00:00.0
Evaluation lead agency: State

FINDS:

Registry ID: 110008261139

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000409965
Registry ID: 110008261139
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110008261139

P96
South
1/8-1/4
0.164 mi.
864 ft.

RALPHS GROCERY #645
500 N SEPULVEDA BLVD
EL SEGUNDO, CA 90245

Site 1 of 2 in cluster P

RCRA NonGen / NLR | **1024817246** / **CAL000320877**

Relative:
Higher

Actual:
123 ft.

RCRA NonGen / NLR:

Date form received by agency:	2007-06-18 00:00:00.0
Facility name:	RALPHS GROCERY #645
Facility address:	500 N SEPULVEDA BLVD EL SEGUNDO, CA 90245-4447
EPA ID:	CAL000320877
Mailing address:	P.O. BOX 54143 LOS ANGELES, CA 90054-0000
Contact:	SHERRIE WALTERS
Contact address:	1100 W. ARTESIA BLVD. COMPTON, CA 90220
Contact country:	Not reported
Contact telephone:	310-884-4016
Contact email:	SHERRIE.WALTERS@RALPHS.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	RALPHS GROCERY CO
Owner/operator address:	PO BOX 54143 LOS ANGELES, CA 90054
Owner/operator country:	Not reported
Owner/operator telephone:	310-884-4016
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SHERRIE WALTERS
Owner/operator address:	1100 W. ARTESIA BLVD. COMPTON, CA 90220
Owner/operator country:	Not reported
Owner/operator telephone:	310-884-4016
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

RALPHS GROCERY #645 (Continued) **1024817246**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

P97 **RALPHS GROCERY #645** **CA CERS HAZ WASTE** **S113466417**
South **500 N. SEPULVEDA BLVD.** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.164 mi.
864 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
123 ft.

CERS HAZ WASTE:

Name:	RALPHS GROCERY #645
Address:	500 N. SEPULVEDA BLVD.
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	146329
CERS ID:	10159971
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.0015
CA Waste Code:	331-Off-specification, aged or surplus organics
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000

RALPHS GROCERY #645 (Continued) **S113466417**

TSD County:	99
Tons:	0.002
CA Waste Code:	311-Pharmaceutical waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles
Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.02
CA Waste Code:	311-Pharmaceutical waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles
Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.002
CA Waste Code:	311-Pharmaceutical waste
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles
Name:	RALPHS GROCERY #645
Address:	500 N SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA 902454447
Year:	2017
GEPAID:	CAL000320877
Contact:	SHERRIE WALTERS
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Mailing City,St,Zip:	LOS ANGELES, CA 900540000
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000

RALPHS GROCERY #645 (Continued) **S113466417**

TSD County: 99
Tons: 0.001
CA Waste Code: 181-Other inorganic solid waste
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
32 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: RALPHS GROCERY #645
Address: 500 N. SEPULVEDA BLVD.
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 146329
CERS ID: 10159971
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 146329
Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/29/2019. 5 gallon container of Hazardous Waste Off-spec medicine located in the Pharmacy was observed without a hazardous waste label. Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146329
Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 02/05/2019. The business failed to complete and electronically submit a site map with all required content including: hazardous materials/waste storage areas. Current site map depicts hazardous materials in the "Produce Prep" room but this room did not have any hazardous materials during inspection. Complete and electronically submit a site map with all required content. Facility shall update site map and remove hazardous materials symbol from "Produce Prep" room.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 146329

RALPHS GROCERY #645 (Continued) **S113466417**

Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 01/29/2019. A signed copy from the Treatment Storage Disposal Facility (TSDF) of the Uniform Hazardous Waste Manifests were not available at the time of inspection for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Locate a signed copy from the TSDF of all manifests and submit copies to the CUPA for the following manifests: 019620393JJK, 019623934JJK,018858287JJK, 019620379JJK, and 018858286JJK. Facility was able to print out copies of signed manifests the end of inspection and copies were reviewed by CUPA. No further action required at this time.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 146329
Site Name: Ralphs Grocery #645
Violation Date: 01-29-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/10/2019. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Training records could not be located during inspection. Facility shall provide copies of annual training records to CUPA.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2019
Violations Found: Yes
Eval Type: Routine done by local agency

RALPHS GROCERY #645 (Continued) **S113466417**

Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 1. Facility over-reported helium, facility shall revise this submittal. 2. Facility shall provide a 704 placard on the machine room door.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Property Owner
Entity Name: New Group - El Segundo
Entity Title: Not reported
Affiliation Address: P.O Box 2107
Affiliation City: Malibu
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90265
Affiliation Phone: (310) 317-6754

Affiliation Type Desc: Document Preparer
Entity Name: Ralphs Grocery Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address

RALPHS GROCERY #645 (Continued) **S113466417**

Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054-0143
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Matthew Eaton
Entity Title:	Manager Environmental Affairs
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90054-0143
Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	Operator
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 884-9000
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Environmental Contact
Entity Name:	Matthew Eaton
Entity Title:	Not reported
Affiliation Address:	P.O. Box 54143
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054-0143
Affiliation Phone:	Not reported

RALPHS GROCERY #645 (Continued) **S113466417**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Q98 **HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP** **NY MANIFEST** **S119069138**
ENE **2030 E. MAPLE ST.** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90277**
0.171 mi.
901 ft. **Site 1 of 6 in cluster Q**

Relative: **Lower**
Actual: **109 ft.**

NY MANIFEST:

Name:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Address:	2030 E. MAPLE ST.
City,State,Zip:	EL SEGUNDO, CA 90277-0000
Country:	USA
EPA ID:	CAT080010853
Facility Status:	Not reported
Location Address 1:	PO BOX 92426 BLDG R23 M/S1003
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	LOS ANGELES
Location State:	CA
Location Zip:	90009
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAT080010853
Mailing Name:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Contact:	HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP
Mailing Address 1:	PO BOX 92426 BLDG R23 M/S1003
Mailing Address 2:	Not reported
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	90009
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136478854

NY MANIFEST:

Document ID:	NYA5560263
Manifest Status:	K
seq:	Not reported
Year:	1989
Trans1 State ID:	906404
Trans2 State ID:	10213PNY
Generator Ship Date:	07/14/1989
Trans1 Recv Date:	07/14/1989
Trans2 Recv Date:	07/15/1989
TSD Site Recv Date:	08/01/1989
Part A Recv Date:	08/09/1989

HUGHES AIRCRAFT CO RADAR SYSTEMS GROUP (Continued) **S119069138**

Part B Recv Date:	08/09/1989
Generator EPA ID:	CAT080010853
Trans1 EPA ID:	NJD000603563
Trans2 EPA ID:	NYD980769947
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00006
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

Q99
ENE
1/8-1/4
0.171 mi.
901 ft.

HUGHES AIRCRAFT CO RADAR SYST
2030 E MAPLE AVE
EL SEGUNDO, CA 90245

Site 2 of 6 in cluster Q

CA SWEEPS UST **1000241033**
CA HIST UST **N/A**
CA NPDES
CA CIWQS

Relative:
Lower

Actual:
109 ft.

SWEEPS UST:

Name:	HUGHES - RADAR SYSTEMS GROUP
Address:	2030 E MAPLE AVE
City:	EL SEGUNDO
Status:	Active
Comp Number:	9550
Number:	9
Board Of Equalization:	44-008433
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-009550-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

STG: W
Content: Not reported
Number Of Tanks: 7

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000004
Tank Status: A

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES - RADAR SYSTEMS GROUP
Address: 2030 E MAPLE AVE
City: EL SEGUNDO
Status: Active
Comp Number: 9550
Number: 9
Board Of Equalization: 44-008433
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009550-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: HUGHES AIRCRAFT CO RADAR SYST
Address: 2030 E MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00026EA3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EA3.pdf
Region: STATE
Facility ID: 00000029277
Facility Type: Other
Other Type: ELECTRONIC ASSY.
Contact Name: M.A.LIVESAY
Telephone: 2136482077
Owner Name: HUGHES AIRCRAFT CO.
Owner Address: 200 N. SEPULVEDA BLVD.
Owner City,St,Zip: EL SEGUNDO, CA 90009
Total Tanks: 0006

Tank Num: 001
Container Num: R-23-WA-1
Year Installed: 1983
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 002
Container Num: R-23-WWTP
Year Installed: 1981
Tank Capacity: 00016000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: None

Tank Num: 003
Container Num: R-23-NA-1
Year Installed: 1983
Tank Capacity: 00000300
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Sensor Instrument

Tank Num: 004
Container Num: R-24-ULG-1
Year Installed: 1984

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	005
Container Num:	R-24-ULG-2
Year Installed:	1984
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	006
Container Num:	R-23 WWTP-
Year Installed:	1985
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	Visual

Click here for Geo Tracker PDF:

NPDES:

Name:	RAYTHEON CO
Address:	2030 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021414
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	07/01/2015
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339623
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021414
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/06/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Terminated
Status Date:	07/01/2015
Place Size:	1
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Not reported
Certification Date:	17-JUN-12
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	339623
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021414
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/06/2015
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAYTHEON CO
Address:	2030 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Raytheon Co
Agency Address:	2000 E El Segundo Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021414
NPDES Number:	CAS000001

HUGHES AIRCRAFT CO RADAR SYST (Continued) **1000241033**

Adoption Date:	Not reported
Effective Date:	01/16/2008
Termination Date:	04/06/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.92695
Longitude:	-118.39119

Q100 **RAYTHEON COMPANY** **SEMS-ARCHIVE** **1015730700**
ENE **2030 MAPLE AVENUE** **RCRA-TSDF** **CAT080010853**
1/8-1/4 **EL SEGUNDO, CA 90245** **RCRA-LQG**
0.171 mi.
901 ft. **Site 3 of 6 in cluster Q**

Relative: **Lower**
Actual: **109 ft.**

SEMS Archive:

Site ID:	0905120
EPA ID:	CAT080010853
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1994-08-03 04:00:00
Finish Date:	1994-08-03 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2008-02-25 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

RAYTHEON COMPANY (Continued) **1015730700**

Region:	09
Site ID:	0905120
EPA ID:	CAT080010853
Site Name:	HUGHES AIRCRAFT CO RADAR SYSTEM
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

RCRA-TSDF:

Date form received by agency:	2016-07-21 00:00:00.0
Facility name:	RAYTHEON COMPANY
Facility address:	2030 MAPLE AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAT080010853
Mailing address:	E. EL SEGUNDO BLVD. EL SEGUNDO, CA 90245
Contact:	JAYALAKSHMI M MOHAN
Contact address:	E. EL SEGUNDO BLVD EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-647-1204
Contact email:	MANJU.MOHAN@RAYTHEON.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1997-12-17 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 781-768-3991
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1997-12-17 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS

RAYTHEON COMPANY (Continued) **1015730700**

Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-04-01 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 1994-04-07 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-10-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213

RAYTHEON COMPANY (Continued) **1015730700**

. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018

RAYTHEON COMPANY (Continued) **1015730700**

. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D009
Waste name: MERCURY
Amount (Lbs): 148280

RAYTHEON COMPANY (Continued) **1015730700**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	2006-06-28 00:00:00.0
Date achieved compliance:	2006-07-21 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	2006-06-28 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Closure/Post-Closure
Date violation determined:	1995-05-03 00:00:00.0
Date achieved compliance:	1996-01-01 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	1995-05-03 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Contingency Plan and Emergency Procedures
Date violation determined:	1991-12-09 00:00:00.0
Date achieved compliance:	1992-01-09 00:00:00.0
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	1991-12-09 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	1550
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - Container Use and Management
Date violation determined:	1991-12-09 00:00:00.0
Date achieved compliance:	1992-01-09 00:00:00.0
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	1991-12-09 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	1550
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-05-13 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-04-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 1988-03-22 00:00:00.0
Date achieved compliance: 1988-03-22 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1985-12-12 00:00:00.0
Date achieved compliance: 1986-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1985-12-12 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1984-05-09 00:00:00.0
Date achieved compliance: 1985-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1984-05-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Evaluation Action Summary:

Evaluation date:	2007-01-22 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	2006-06-28 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	2006-07-21 00:00:00.0
Evaluation lead agency:	Local
Evaluation date:	1995-08-29 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1995-05-03 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Closure/Post-Closure
Date achieved compliance:	1996-01-01 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1994-11-10 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1991-10-22 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Contingency Plan and Emergency Procedures
Date achieved compliance:	1992-01-09 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1991-10-22 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Container Use and Management
Date achieved compliance:	1992-01-09 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1988-05-13 00:00:00.0
Evaluation:	FINANCIAL RECORD REVIEW
Area of violation:	TSD - Financial Requirements
Date achieved compliance:	1988-05-13 00:00:00.0
Evaluation lead agency:	State
Evaluation date:	1988-03-22 00:00:00.0
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	1988-03-22 00:00:00.0
Evaluation:	FOCUSED COMPLIANCE INSPECTION

RAYTHEON COMPANY (Continued) **1015730700**

Area of violation: LDR - General
Date achieved compliance: 1988-03-22 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-06-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-12-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1986-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1984-05-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1985-01-01 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2016-07-21 00:00:00.0
Facility name: RAYTHEON COMPANY
Facility address: 2030 MAPLE AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAT080010853
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

RAYTHEON COMPANY (Continued) **1015730700**

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1997-12-17 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	781-768-3991
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-17 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	2014-03-01 00:00:00.0
Site name:	RAYTHEON COMPANY

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Classification: Large Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE & AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-04-01 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RCS, ESN
Classification: Large Quantity Generator

Date form received by agency: 1994-04-07 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY, RADAR SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-10-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-28 00:00:00.0
Site name: HUGHES AIRCRAFT COMPANY RADAR SYSTEMS GR
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

RAYTHEON COMPANY (Continued) **1015730700**

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002

RAYTHEON COMPANY (Continued) **1015730700**

. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

RAYTHEON COMPANY (Continued) **1015730700**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D009
Waste name: MERCURY
Amount (Lbs): 148280

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-28 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1995-05-03 00:00:00.0
Date achieved compliance: 1996-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-05-03 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 1991-12-09 00:00:00.0
Date achieved compliance: 1992-01-09 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1991-12-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1550

RAYTHEON COMPANY (Continued) **1015730700**

Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - Container Use and Management
Date violation determined:	1991-12-09 00:00:00.0
Date achieved compliance:	1992-01-09 00:00:00.0
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	1991-12-09 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	1550
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	1988-05-13 00:00:00.0
Date achieved compliance:	1988-05-13 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	1988-04-21 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	LDR - General
Date violation determined:	1988-03-22 00:00:00.0
Date achieved compliance:	1988-03-22 00:00:00.0
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	1985-12-12 00:00:00.0
Date achieved compliance:	1986-01-01 00:00:00.0
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	1985-12-12 00:00:00.0
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported

RAYTHEON COMPANY (Continued) **1015730700**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1984-05-09 00:00:00.0
Date achieved compliance: 1985-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1984-05-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2007-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2006-06-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 1995-08-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-05-03 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1996-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-11-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 1992-01-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-10-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1992-01-09 00:00:00.0

RAYTHEON COMPANY (Continued) **1015730700**

Evaluation lead agency: State

Evaluation date: 1988-05-13 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-03-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1988-03-22 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: LDR - General
Date achieved compliance: 1988-03-22 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-06-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-12-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1986-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1985-12-12 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1984-05-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1985-01-01 00:00:00.0
Evaluation lead agency: State

Q101
ENE
1/8-1/4
0.171 mi.
901 ft.

HUGHES AIRCRAFT COMPANY
2030 E. MAPLE AVENUE
EL SEGUNDO, CA

Site 4 of 6 in cluster Q

CA UST **U004261114**
N/A

Relative:
Lower

Actual:
109 ft.

EL SEGUNDO UST:

Name:	HUGHES AIRCRAFT COMPANY
Address:	2030 E. MAPLE AVENUE
City:	EL SEGUNDO
Facility Type:	Not reported
Type of Action:	Not reported
CERT Number:	Not reported
Permit Number:	Not reported
Tank Number:	Not reported
Tank Status:	Closed Tanks
Tank Content:	Not reported
Other Contents:	Not reported
Active:	Not reported
Date Inspected:	Not reported

Q102
ENE
1/8-1/4
0.171 mi.
901 ft.

RAYTHEON CO
2030 MAPLE AVENUE
EL SEGUNDO, CA 90245

Site 5 of 6 in cluster Q

CA ENVIROSTOR **S103983824**
CA HWP **N/A**
CA CERS

Relative:
Lower

Actual:
109 ft.

ENVIROSTOR:

Name:	RAYTHEON CO
Address:	2030 MAPLE AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001344
Status:	Active
Status Date:	04/14/2015
Site Code:	300315
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	15.5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Don Indermill
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92618
Longitude:	-118.3912
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, MANUFACTURING - ELECTRONIC, MANUFACTURING - METAL, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, SAND BLASTING, UNKNOWN, AEROSPACE MANUFACTURING/MAINTENANCE, MANUFACTURING - ELECTRONIC
Potential COC:	Under Investigation Under Investigation

RAYTHEON CO (Continued) **S103983824**

Confirmed COC: Not reported
Potential Description: UE, UE
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: CAT080010853
Alias Type: EPA Identification Number
Alias Name: 300315
Alias Type: Project Code (Site Code)
Alias Name: 60001344
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: RAYTHEON CO
Address: 2030 MAPLE AVE
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAT080010853
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.92695
Longitude: -118.3912
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported

RAYTHEON CO (Continued) **S103983824**

Supervisor: Not reported
Site Code: 300315, TBD
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 04/26/1985

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/17/1983

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 01/15/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating

RAYTHEON CO (Continued) **S103983824**

Unit Names: CONTAIN1, Tankstr
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

Closure:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/25/1992

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: Tankstr
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/23/2018

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/20/1995

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: Tankstr
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: Not reported

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/15/1992

Alias:
EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300315

EPA Id: CAT080010853
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: TBD

CERS:
Name: RAYTHEON CO
Address: 2030 MAPLE AVENUE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 342059
CERS ID: 60001344
CERS Description: Corrective Action

Affiliation:

RAYTHEON CO (Continued) **S103983824**

Affiliation Type Desc:	Supervisor
Entity Name:	Philip Chandler
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Lead Project Manager
Entity Name:	DON INDERMILL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CHATSWORTH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Q103 **MATTEL MAPLE BUILDING** **CA CERS HAZ WASTE** **S123526150**
ENE **2031-2041 E MAPLE AVE** **CA CERS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.195 mi.
1030 ft. **Site 6 of 6 in cluster Q**

Relative: **Lower**
Actual: **108 ft.**

CERS HAZ WASTE:

Name:	MATTEL MAPLE BUILDING
Address:	2031-2041 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47144
CERS ID:	10594504
CERS Description:	Hazardous Waste Generator

CERS:

Name:	MATTEL MAPLE BUILDING
Address:	2031-2041 E MAPLE AVE
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	47144
CERS ID:	10594504
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	47144
Site Name:	Mattel Maple Building
Violation Date:	08-08-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 09/07/2018. The business failed to complete and electronically submit a site map with all required content including: loading area, adjacent streets, storm and sewer drains, evacuation staging area, and emergency response equipment. Complete and electronically submit a site map with all required content to include: loading area, adjacent streets, storm and sewer drains, evacuation staging area, and emergency response equipment.

MATTEL MAPLE BUILDING (Continued) **S123526150**

Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 10-29-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 10-29-2014
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/07/2018. Facility failed to display CUPA Permit in a prominent place. Facility shall place a copy of it’s CUPA Permit in front lobby.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 09/05/2018. Two steel drums of Hazardous Waste Aerosol Cans located in the East and West Paint areas were observed open as the lids are not approved for hazardous waste

MATTEL MAPLE BUILDING (Continued) **S123526150**

containment. Submit photos to the CUPA demonstrating that the container listed above has been properly closed and approved lids are being used.

Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 09/07/2018. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility failed to disclose Acetone and Waste Paint on chemical inventory. Facility also failed to disclose accurate amounts of Argon (3140 cubic feet onsite during inspection). New federal hazard categories are also missing from all entries in hazardous materials inventory. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Facility shall add Acetone, Waste Paint, and update Argon amounts on chemical inventory. Facility shall also update hazardous materials inventory to include new federal hazard categories.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)?. 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment?. 3) Lamps shall be marked with ?Universal Waste-Lamp(s)?. 4)Each electronic devices or the container or the designated area shall be marked with ?Universal Waste-Electronic Device(s)?. 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)?. 6) CRT glass or the designated area shall be marked with ?Universal Waste-CRT glass?.
Violation Notes: Returned to compliance on 09/07/2018. Owner/Operator failed to properly label universal waste. Cardboard boxes of Universal Waste Fluorescent Light Bulbs located in the Maple West Electrical Storage Room was observed without a hazardous waste label. Properly label universal waste Fluorescent Light Bulbs and submit statement of compliance and/or a photo of the waste labeled properly.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

MATTEL MAPLE BUILDING (Continued) **S123526150**

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/07/2018. The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Facility failed to submit an annual HMBP for 2018, on or before March 1st. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date, March 1st.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 47144
Site Name: Mattel Maple Building
Violation Date: 08-08-2018
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description: Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes: Returned to compliance on 09/04/2018. Owner/Operator failed to dispose of hazardous waste at a facility which has a permit from DTSC or disposed of hazardous waste at a point which is not authorized pursuant to HSC chapter 6.5. Facility is disposing of Waste Paint in shop sink (Main Stage in Creative Studios). Immediately discontinue disposing of hazardous waste/Waste Pain in shop sink. Submit a statement to the CUPA indicating improperly disposed of hazardous waste has been properly managed, and that all hazardous wastes will only be disposed at facilities permitted by DTSC in the future.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-08-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-08-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department

MATTEL MAPLE BUILDING (Continued) **S123526150**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-5475

Affiliation Type Desc: Identification Signer
Entity Name: Shameka Lewis
Entity Title: Senior Supervisor EH&S
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd M1-0540
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 252-3854

Affiliation Type Desc: Parent Corporation
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported

MATTEL MAPLE BUILDING (Continued) **S123526150**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Document Preparer
Entity Name:	Shameka Lewis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Toni Powell
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd M1-0540
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	333 Continental Blvd M1-0540
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

R104 **TELEDYNE CONTROLS LLC** **RCRA-SQG** **1000241004**
SE **501 CONTINENTAL BLVD** **FINDS** **CAD981407216**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.203 mi.
1074 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**
Actual: **118 ft.**

RCRA-SQG:

Date form received by agency:	2017-08-03 00:00:00.0
Facility name:	TELEDYNE CONTROLS LLC
Facility address:	501 CONTINENTAL BLVD EL SEGUNDO, CA 90245-5036

TELEDYNE CONTROLS LLC (Continued) **1000241004**

EPA ID: CAD981407216
Mailing address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245-5036
Contact: VU M NGUYEN
Contact address: CONTINENTAL BLVD
EL SEGUNDO, CA 90245-5036
Contact country: US
Contact telephone: 310-765-9436
Contact email: VU.NGUYEN@TELEDYNE.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CONTINENT PROPERTY LLC (C/O THE WONDERFUL COMPANY)
Owner/operator address: W OLYMPIC BLVD
LOS ANGELES, CA 90064
Owner/operator country: US
Owner/operator telephone: 310-966-5700
Owner/operator email: COMMENTS@WONDERFUL.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2010-09-21 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: TELEDYNE CONTROLS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: 310-765-3600
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2005-12-20 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:
Date form received by agency: 2015-12-16 00:00:00.0
Site name: TELEDYNE CONTROLS LLC
Classification: Small Quantity Generator

Date form received by agency: 2011-02-28 00:00:00.0
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

Date form received by agency: 2010-08-02 00:00:00.0
Site name: TELEDYNE CONTROLS A BUSINESS UNIT OF TELEDYNE TECH INC
Classification: Small Quantity Generator

Date form received by agency: 2006-06-02 00:00:00.0
Site name: TELEDYNE CONTROLS-A BUSINESS UNIT OF TEL
Classification: Small Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Small Quantity Generator

Date form received by agency: 1986-05-08 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002

TELEDYNE CONTROLS LLC (Continued) **1000241004**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Violation Status: No violations found

FINDS:

Registry ID: 110002697261

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

STATE MASTER

TELEDYNE CONTROLS LLC (Continued) **1000241004**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000241004
Registry ID: 110002697261
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002697261

R105 **TELEDYNE CONTROLS LLC** **CA CERS HAZ WASTE** **S106832778**
SE **501 CONTINENTAL BLVD** **CA EMI** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.203 mi. **CA NPDES**
1074 ft. **Site 2 of 2 in cluster R** **CA CIWQS**
CA CERS

Relative:
Higher

Actual:
118 ft.

CERS HAZ WASTE:
Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 10341775
CERS Description: Hazardous Waste Generator

EMI:
Name: HUGHES AIRCRAFT CO, RADAR SYS
Address: 501 CONTINENTAL BL
City,State,Zip: EL SEGUNDO, CA 90245
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 53311
Air District Name: SC
SIC Code: 3679
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: HUGHES AIRCRAFT CO, RADAR SYST
Address: 501 CONTINENTAL BL
City,State,Zip: EL SEGUNDO, CA 90245
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 53311
Air District Name: SC
SIC Code: 3663
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902455036
Year:	2017
GEPAID:	CAD981407216
Contact:	VU NGUYEN
Telephone:	3109550299
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Tons:	0.025
CA Waste Code:	181-Other inorganic solid waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902455036
Year:	2017
GEPAID:	CAD981407216
Contact:	VU NGUYEN
Telephone:	3109550299
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 90245
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Tons:	0.07
CA Waste Code:	211-Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 902455036
Year:	2017
GEPAID:	CAD981407216
Contact:	VU NGUYEN
Telephone:	3109550299
Mailing Name:	Not reported
Mailing Address:	501 CONTINENTAL BLVD
Mailing City,St,Zip:	EL SEGUNDO, CA 90245

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.06
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902455036
Year: 2017
GEPAID: CAD981407216
Contact: VU NGUYEN
Telephone: 3109550299
Mailing Name: Not reported
Mailing Address: 501 CONTINENTAL BLVD
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.0675
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 902455036
Year: 2016
GEPAID: CAD981407216
Contact: NOEL LIRA
Telephone: 3107653832
Mailing Name: Not reported
Mailing Address: PO BOX 1026
Mailing City,St,Zip: EL SEGUNDO, CA 90245
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 0.081
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
190 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:
Name: TELEDYNE CONTROLS LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC001291
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/25/2016
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	464223
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/30/2015
Processed Date:	10/21/2015
Status:	Terminated
Status Date:	08/25/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Operator Contact:	Noel Lira
Operator Contact Title:	EHS Manager
Operator Contact Phone:	310-765-3832
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	noel.lira@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Ocean
Certifier:	Noel Lira
Certifier Title:	EHS Manager
Certification Date:	30-SEP-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	464223
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001291
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/21/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/21/2016
Discharge Name:	Teledyne Controls

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: TELEDYNE CONTROLS LLC
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Active
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 468265
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19NEC001775
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 01/21/2016
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 501 Continental Blvd
Discharge Name: Teledyne Controls LLC
Discharge City: El Segundo
Discharge State: California
Discharge Zip: 90245
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 468265
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 4 19NEC001775
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 01/04/2016
Processed Date: 01/21/2016
Status: Active

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19NEC001775
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/21/2016
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468265
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19NEC001775

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/04/2016
Processed Date:	01/21/2016
Status:	Active
Status Date:	01/21/2016
Place Size:	6.3
Place Size Unit:	Acres
Contact:	Vu Nguyen
Contact Title:	EHS
Contact Phone:	310-765-9436
Contact Phone Ext:	Not reported
Contact Email:	vu.nguyen@teledyne.com
Operator Name:	Teledyne Controls LLC
Operator Address:	501 Continental Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Mir Hassan
Operator Contact Title:	President
Operator Contact Phone:	310-765-3600
Operator Contact Phone Ext:	3610
Operator Contact Email:	masood.hassan@teledyne.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-955-0299
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Mir Hassan
Certifier Title:	EHS
Certification Date:	19-SEP-16
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468265
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19NEC001775
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/21/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Teledyne Controls LLC
Discharge Address:	501 Continental Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001291
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/21/2015
Termination Date:	01/21/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Latitude:	33.922237
Longitude:	-118.3917
Name:	TELEDYNE CONTROLS LLC
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Teledyne Controls LLC
Agency Address:	501 Continental Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19NEC001775
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/21/2016
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.922087
Longitude:	-118.39228

CERS:

Name:	TELEDYNE CONTROLS, LLC.
Address:	501 CONTINENTAL BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	160058
CERS ID:	10341775
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-26-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	NEC qualified. No further action required.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-18-2016
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291. Staff met at the site with Mr. Vu Nguyen, Environmental Health and

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.

Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 Camino Dos Rios
Affiliation City:	Thousand Oaks
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(805) 373-4545
Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Controls LLC
Entity Title:	Operator
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 1026
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Entity Name: The Wonderful Company LLC
Entity Title: Not reported
Affiliation Address: 11444 W Olympic Blvd.
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90064
Affiliation Phone: (310) 966-8600

Affiliation Type Desc: Environmental Contact
Entity Name: VU NGUYEN
Entity Title: Not reported
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 765-3600

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: TELEDYNE CONTROLS, LLC.
Address: 501 CONTINENTAL BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160058
CERS ID: 843641
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: NEC qualified. No further action required.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Eval Date: 08-18-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff visited and inspected the site in response to a NOT. The company filed NOT because it changed the name from Teledyne Controls Inc. to Teledyne Controls LLC. The former NEC ID number was 4 19NEC001291. Staff met at the site with Mr. Vu Nguyen, Environmental Health and Safety/ Manufacturing Engineer, (310)765-9436. He permitted the inspection and to take photos during the inspection. Also, he accompanied staff during the site inspection. The company assembles electronic parts at the building . The parts are manufactured outside and delivered to this building for assembling and shipping to customers. All the industrial activities are conducted indoors. Outside the building was located only a large empty nitrogen tank and part of a cardboard compactor. The company was very clean and organized. Staff believe that the NEC is appropriate in this case. Photos from the site are attached.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-17-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-23-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No deficiencies found
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 160058
Facility Name: Teledyne Controls, LLC.
Env Int Type Code: HWG
Program ID: 10341775
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.922110
Longitude: -118.393070

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Legal Owner
Entity Name:	TELEDYNE TECHNOLOGIES INC.
Entity Title:	Not reported
Affiliation Address:	1049 Camino Dos Rios
Affiliation City:	Thousand Oaks
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91360
Affiliation Phone:	(805) 373-4545

Affiliation Type Desc:	Owner/Operator
Entity Name:	Teledyne Controls LLC
Entity Title:	Operator
Affiliation Address:	501 Continental Blvd
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Vu Nguyen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 1026
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Vu Nguyen
Entity Title:	EHS Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

TELEDYNE CONTROLS LLC (Continued) **S106832778**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: The Wonderful Company LLC
Entity Title: Not reported
Affiliation Address: 11444 W Olympic Blvd.
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90064
Affiliation Phone: (310) 966-8600

Affiliation Type Desc: Environmental Contact
Entity Name: VU NGUYEN
Entity Title: Not reported
Affiliation Address: 501 Continental Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 765-3600

Affiliation Type Desc: Parent Corporation
Entity Name: Teledyne Controls, LLC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

S106 **NWRIP DOD #26** **CA ENVIROSTOR** **S107736934**
NNW **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.223 mi.
1178 ft. **Site 1 of 5 in cluster S**

Relative: ENVIROSTOR:
Higher
Name: NWRIP DOD #26
Actual: Address: Not reported
130 ft. City,State,Zip: EL SEGUNDO, CA
Facility ID: 80000638
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005

NWRIP DOD #26 (Continued) **S107736934**

Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3969
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F686900
Alias Type:	Federal Facility ID
Alias Name:	J09CA1029
Alias Type:	INPR
Alias Name:	80000638
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

S107 NNW 1/8-1/4 0.223 mi. 1178 ft. **EL SEGUNDO STORAGE ANNEX** **CA ENVIROSTOR** **S107736275 N/A**

EL SEGUNDO, CA

Site 2 of 5 in cluster S

Relative: Higher

Actual: 130 ft.

ENVIROSTOR:

Name:	EL SEGUNDO STORAGE ANNEX
Address:	Not reported
City,State,Zip:	EL SEGUNDO, CA
Facility ID:	80000076

EL SEGUNDO STORAGE ANNEX (Continued) **S107736275**

Status: Inactive - Needs Evaluation
Status Date: 08/15/2018
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Patrick Hsieh
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.92916
Longitude: -118.3969
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F531700
Alias Type: Federal Facility ID
Alias Name: J09CA0113
Alias Type: INPR
Alias Name: 80000076
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Screening
Schedule Due Date: 08/30/2019
Schedule Revised Date: Not reported

S108 **EL SEGUNDO STORAGE ANNEX** **FUDS** **1024903408**
NNW **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.224 mi.
1183 ft. **Site 3 of 5 in cluster S**

Relative: **Higher**
Actual: **130 ft.**

FUDS:

EPA Region:	9
Installation ID:	CA99799F531700
Congressional District Number:	33
Facility Name:	EL SEGUNDO STORAGE ANNEX
FUDS Number:	J09CA0113
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Other
X Coord:	-118.39694443983301
Y Coord:	33.929166670306401
Latitude:	33.929166670000001
Longitude:	-118.39694444

S109 **HUGHES SPACE AND COMMUNICATION** **CA LUST** **S103891174**
North **900 SEPULVEDA BLVD N** **CA CPS-SLIC** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.229 mi.
1211 ft. **Site 4 of 5 in cluster S**

Relative: **Higher**
Actual: **117 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-11139	
Status:	Pollution Characterization	
Substance:	Solvents	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705022	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19013	
Cross Street:	WALNUT AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/28/1984
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/12/2000
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	

HUGHES SPACE AND COMMUNICATION (Continued) **S103891174**

Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		9982.618021150870052287173937
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/21/1988
Remediation Plan Submitted:		3/18/1988
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES SPACE AND COMMUNCATION	
RP Address:	P.O. BOX 92919, LOS ANGELES, CA 90009	
Program:	SLIC	
Lat/Long:	33.9291273 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	3A1	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	FILE MISSING, ALSO SEE CASE FILE NO. I-12326X, HUGHES AIRCRAFT AT 2000 IMPERIALHWY., EL SEGUNDO; 1/4/00 4TH QTR GW MON RPT 1999	

CPS-SLIC:

Name:	HUGHES SPACE & COMMUNICATION
Address:	900 SEPULVEDA BLVD
City,State,Zip:	EL SEGUNDO, CA
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/29/2015
Global Id:	SLT4L9441895
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.930893
Longitude:	-118.3951
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0944
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

HUGHES SPACE AND COMMUNICATION (Continued) **S103891174**

Name: HUGHES SPACE & COMMUNICATION
Address: 900 SEPULVEDA BLVD
City,State,Zip: EL SEGUNDO, CA
Site ID: 250373
CERS ID: SLT4L9441895
CERS Description: Cleanup Program Site

S110 **HUGHES SPACE & COMMUNICATIONS** **CA CPS-SLIC** **S104404959**
North **900 SEPULVEDA** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.229 mi.
1211 ft. **Site 5 of 5 in cluster S**

Relative: **Higher**
Actual: **117 ft.**

SLIC REG 4:
Region: 4
Facility Status: Inactive
SLIC: 0944
Substance: VOCs
Staff: John Geroch

T111 **COSMETIX WEST - MARIPOSA** **CA CERS HAZ WASTE** **S123520576**
ESE **2041 E MARIPOSA AVE** **CA CERS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.233 mi.
1228 ft. **Site 1 of 8 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

CERS HAZ WASTE:
Name: COSMETIX WEST - MARIPOSA
Address: 2041 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 433373
CERS ID: 10755784
CERS Description: Hazardous Waste Generator

CERS:
Name: COSMETIX WEST - MARIPOSA
Address: 2041 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 433373
CERS ID: 10755784
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 433373
Site Name: Cosmetix West - Mariposa
Violation Date: 08-27-2018
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 09/21/2018. One 55-gallon metal drum of Hazardous Waste Flammable Liquids located in the Hazardous Waste

COSMETIX WEST - MARIPOSA (Continued) **S123520576**

	Accumulation Area was observed with a funnel top, without a lid. Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	433373
Site Name:	Cosmetix West - Mariposa
Violation Date:	02-15-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/05/2018. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Chemical inventory is not complete, Facility needs to complete and submit a chemical inventory with all reportable chemicals on site
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	433373
Site Name:	Cosmetix West - Mariposa
Violation Date:	02-15-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 04/05/2018. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Site map needs to be provided in electronic reporting system
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	433373
Site Name:	Cosmetix West - Mariposa
Violation Date:	08-27-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/21/2018. Two 55 -gallon metal drums of Hazardous Waste Flammable Liquids and Empty Ink-Cartridges had labels but were not legible; located in the Hazardous Waste Accumulation Area. Submit a photo to the CUPA demonstrating that the containers

COSMETIX WEST - MARIPOSA (Continued) **S123520576**

listed above have been properly labeled.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 433373
Site Name: Cosmetix West - Mariposa
Violation Date: 08-27-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 09/21/2018. Hazardous Waste Flammable Liquid was observed spilled inside the secondary container and not cleaned up and properly managed. Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 433373
Site Name: Cosmetix West - Mariposa
Violation Date: 02-15-2018
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/05/2018. Facility failed to obtain CUPA permit while storing hazardous materials and hazardous waste at or above threshold levels. facility needs to obtain CUPA permit for hazardous materials storage and handling as well as hazardous waste for this site and maintain permits current.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-05-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Previous violations corrected during inspection. CERS facility submittal updated. No further action
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

COSMETIX WEST - MARIPOSA (Continued) **S123520576**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	It's recommended that refresher training for hazardous waste is provided for employees conducting weekly inspections of hazardous waste accumulation area.
Eval Division:	El Segundo City Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	433373
Facility Name:	Cosmetix West - Mariposa
Env Int Type Code:	HMBP
Program ID:	10755784
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.923640
Longitude:	-118.391910

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395

Affiliation Type Desc:	Environmental Contact
Entity Name:	CleanHarbors
Entity Title:	Not reported
Affiliation Address:	18708 Laurel Park Rd
Affiliation City:	Rancho Dominguez
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90220
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Diego Bustamante
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Ronald Chavers
Entity Title:	Not reported
Affiliation Address:	2305 Utah Ave

COSMETIX WEST - MARIPOSA (Continued) **S123520576**

Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(310) 418-6515
Affiliation Type Desc:	Parent Corporation
Entity Name:	Cosmetix West
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2041 E. Mariposa Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Diego Bustamante
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 529-6237
Affiliation Type Desc:	Identification Signer
Entity Name:	Diego Bustamante
Entity Title:	VP of Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

T112 **COSMETIX WEST** **RCRA NonGen / NLR** **1024862984**
ESE **2041 E MARIPOSA AVE** **CAL000431521**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.233 mi.
1228 ft. **Site 2 of 8 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

RCRA NonGen / NLR:

Date form received by agency:	2017-10-13 00:00:00.0
Facility name:	COSMETIX WEST
Facility address:	2041 E MARIPOSA AVE EL SEGUNDO, CA 90245

COSMETIX WEST (Continued) **1024862984**

EPA ID: CAL000431521
Contact: DIEGO BUSTAMANTE
Contact address: 2041 E MARIPOSA AVE
EL SEGUNDO, CA 90245
Contact country: Not reported
Contact telephone: 310-726-3080
Contact email: DBUSTAMANTE@COSMETIXWEST.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: RON CHAVERS
Owner/operator address: 2041 E MARIPOSA AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-726-3080
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DIEGO BUSTAMANTE
Owner/operator address: 2041 E MARIPOSA AVE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-726-3080
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

T113 **NORTHROP CORP/AIRCRAFT DIV** **CA ENVIROSTOR** **S118757503**
ESE **2043 E MARIPOSA AVE** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.241 mi.
1275 ft. **Site 3 of 8 in cluster T**

Relative:
Lower

Actual:
107 ft.

ENVIROSTOR:

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Facility ID:	80001309
Status:	No Action Required
Status Date:	03/14/2014
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Noel Shrum
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92467
Longitude:	-118.3895
APN:	4138019002, 4138028004
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138019002
Alias Type:	APN
Alias Name:	4138028004
Alias Type:	APN
Alias Name:	CAD000627216
Alias Type:	EPA Identification Number
Alias Name:	80001309
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/06/1990
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/19/2010
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

NORTHROP CORP/AIRCRAFT DIV (Continued) **S118757503**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T114 **NORTHROP CORP AIRCRAFT DIV** **SEMS-ARCHIVE** **1000409954**
ESE **2043 E MARIPOSA AVENUE** **CORRACTS** **CAD000627216**
1/8-1/4 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.241 mi. **RCRA NonGen / NLR**
1275 ft. **Site 4 of 8 in cluster T** **CA EMI**
CA HAZNET
Relative: **CA LOS ANGELES CO. HMS**
Lower **CA HWP**
CA CERS
Actual:
107 ft.

SEMS Archive:

Site ID:	0900299
EPA ID:	CAD000627216
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-06-06 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-06-06 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Region:	09
Site ID:	0900299
EPA ID:	CAD000627216
Site Name:	NORTHROP CORP AIRCRAFT DIV
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1990-05-08 04:00:00
Finish Date:	1990-05-08 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

CORRACTS:

EPA ID:	CAD000627216
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	1990-06-06 00:00:00.0
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	336411 Aircraft Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

RCRA-TSDF:

Date form received by agency:	1993-09-10 00:00:00.0
Facility name:	NORTHROP CORP AIRCRAFT DIV
Facility address:	2043 E MARIPOSA AVENUE EL SEGUNDO, CA 90245
EPA ID:	CAD000627216
Mailing address:	3901 W BROADWAY HAWTHORNE, CA 90250
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address:	2043 EAST MARIPOSA AVENUE EL SEGUNDO, CA 90245
Owner/operator country:	Not reported
Owner/operator telephone:	213-970-4704

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-06-06 00:00:00.0

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Event: NCAPS RANKING/PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1989-05-23 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Evaluation date: 1987-07-10 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1987-07-10 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA NonGen / NLR:
Date form received by agency: 1993-09-10 00:00:00.0
Facility name: NORTHROP CORP AIRCRAFT DIV
Facility address: 2043 E MARIPOSA AVENUE
EL SEGUNDO, CA 90245
EPA ID: CAD000627216
Mailing address: 3901 W BROADWAY
HAWTHORNE, CA 90250
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTHROP CORP AIRCRAFT DIVISION AU
Owner/operator address: 2043 EAST MARIPOSA AVENUE
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-970-4704
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORP/AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Not a generator, verified

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-06-06 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1990-06-06 00:00:00.0
Event: PA OR CERCLA INSPECTION

Facility Has Received Notices of Violations:
Regulation violated: F - 263
Area of violation: Transporters - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-28 00:00:00.0

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.20-23.B
Area of violation: Generators - General
Date violation determined: 1989-05-18 00:00:00.0
Date achieved compliance: 1989-08-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-06-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1989-05-23 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-05-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1989-08-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1987-07-10 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1987-07-10 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EMI:
Name: NORTHROP CORP, AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA
Year: 1987

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

County Code:	19
Air Basin:	SC
Facility ID:	46825
Air District Name:	SC
SIC Code:	3761
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NORTHROP CORP, AIRCRAFT DIV AU
Address:	2043 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	46825
Air District Name:	SC
SIC Code:	3812
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	1994
GEPAID:	CAD000627216
Contact:	-GERALD BROWN ENV. ENG.
Telephone:	2139704704
Mailing Name:	Not reported
Mailing Address:	ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip:	HAWTHORNE, CA 902500000
Gen County:	Los Angeles
TSD EPA ID:	CAD980880959
TSD County:	Los Angeles
Tons:	0.19
CA Waste Code:	221-Waste oil and mixed oil
Method:	-
Facility County:	Los Angeles

Name:	NORTHROP CORP/AIRCRAFT DIV
Address:	2043 E MARIPOSA AVE

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.3775
CA Waste Code: 122-Alkaline solution without metals pH >= 12.5
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.35
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216
Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 1.02
CA Waste Code: 221-Waste oil and mixed oil
Method: H01-Transfer Station
Facility County: Los Angeles

Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1992
GEPAID: CAD000627216

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Contact: -GERALD BROWN ENV. ENG.
Telephone: 2139704704
Mailing Name: Not reported
Mailing Address: ONE NORTHROP AVE MS 5782/18
Mailing City,St,Zip: HAWTHORNE, CA 902500000
Gen County: Los Angeles
TSD EPA ID: CAD980880959
TSD County: Los Angeles
Tons: 0.0325
CA Waste Code: 223-Unspecified oil-containing waste
Method: -
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
98 additional CA_HAZNET: record(s) in the EDR Site Report.

LOS ANGELES CO. HMS:
Name: NORTHROP CORP-AU FACILITY
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 015796-016908
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 0000T6346
Permit Status: Closed

HWP:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
EPA Id: CAD000627216
Cleanup Status: CLOSED
Latitude: 33.92467
Longitude: -118.3895
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/31/1989

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/23/1988

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, TANKSTR1, TANKTRT1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

Closure:
EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627216
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1, INCIN1, TANKSTR1, TANKTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

CERS:
Name: NORTHROP CORP/AIRCRAFT DIV
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 193510
CERS ID: CAD000627216
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: -GERALD BROWN ENV. ENG.
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 2139704704

Affiliation Type Desc: Facility Owner
Entity Name: NORTHROP CORPORATION
Entity Title: Not reported
Affiliation Address: 1840 CENTURY PARK EAST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900670000
Affiliation Phone: 3105536262

Name: NORTHROP CORP/AIRCRA
Address: 2043 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Site ID: 371416

NORTHROP CORP AIRCRAFT DIV (Continued) **1000409954**

CERS ID: 80001309
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: NOEL SHRUM
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

T115 **NORTHROP GRUMMAN MASD** **CA UST** **U004261146**
ESE **2043 E. MARIPOSA AVENUE** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.241 mi.
1275 ft. **Site 5 of 8 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

EL SEGUNDO UST:
Name: NORTHROP GRUMMAN MASD
Address: 2043 E. MARIPOSA AVENUE
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

T116 **TRW INC** **RCRA NonGen / NLR** **1000119264**
ESE **2045 E MARIPOSA** **FINDS** **CAD981652688**
1/8-1/4 **EL SEGUNDO, CA 90245** **ECHO**
0.244 mi.
1289 ft. **Site 6 of 8 in cluster T**

Relative: **Lower**
Actual: **107 ft.**

RCRA NonGen / NLR:
Date form received by agency: 1986-09-11 00:00:00.0
Facility name: TRW INC
Facility address: 2045 E MARIPOSA
EL SEGUNDO, CA 90245
EPA ID: CAD981652688
Mailing address: ONE SPACE PARK FIRST HUNDRED F
REDONDO BEACH, CA 90278
Contact: ENVIRONMENTAL MANAGER
Contact address: 2045 E MARIPOSA
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 213-535-1467
Contact email: Not reported

TRW INC (Continued) **1000119264**

EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TRW INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002738262

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

TRW INC (Continued) **1000119264**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000119264
Registry ID: 110002738262
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002738262

U117 **HUGHES AIRCRAFT CO SCG** **CA SWEEPS UST** **S104538245**
NNE **930 N SELBY ST** **CA LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245**
0.245 mi.
1292 ft. **Site 1 of 2 in cluster U**

Relative: **Lower**
Actual: **107 ft.**

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 930 N SELBY ST
City: EL SEGUNDO
Status: Active
Comp Number: 13537
Number: 9
Board Of Equalization: 44-010180
Referral Date: 12-01-89
Action Date: 12-01-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013537-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 2

Name: HUGHES AIRCRAFT CO SCG
Address: 930 N SELBY ST
City: EL SEGUNDO
Status: Active
Comp Number: 13537
Number: 9
Board Of Equalization: 44-010180
Referral Date: 12-01-89
Action Date: 12-01-89
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013537-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

HUGHES AIRCRAFT CO SCG (Continued) **S104538245**

STG: W
Content: Not reported
Number Of Tanks: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 930 N SELBY ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013225-013537
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005165T
Permit Status: Closed

U118 **HUGHES SPACE & COMMUNICATIONS** **CA UST** **U004261123**
NNE **930 N. SELBY STREET** **N/A**
1/8-1/4 **EL SEGUNDO, CA**
0.245 mi.
1292 ft. **Site 2 of 2 in cluster U**

Relative: EL SEGUNDO UST:
Lower
Actual: Name: HUGHES SPACE & COMMUNICATIONS
107 ft. Address: 930 N. SELBY STREET
City: EL SEGUNDO
Facility Type: Not reported
Type of Action: Not reported
CERT Number: Not reported
Permit Number: Not reported

Tank Number: Not reported
Tank Status: Closed Tanks
Tank Content: Not reported
Other Contents: Not reported
Active: Not reported
Date Inspected: Not reported

T119 **BOEING SATELITE SYSTEMS INC** **CA CERS HAZ WASTE** **S112961270**
ESE **2040 E MARIPOSA AVE** **CA HAZNET** **N/A**
1/8-1/4 **EL SEGUNDO, CA 90245** **CA CERS**
0.246 mi.
1297 ft. **Site 7 of 8 in cluster T**

Relative: CERS HAZ WASTE:
Lower
Actual: Name: CSSIMM - MARIPOSA
107 ft. Address: 2040 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 421891
CERS ID: 10734964
CERS Description: Hazardous Waste Generator

HAZNET:
Name: BOEING SATELITE SYSTEMS INC

BOEING SATELITE SYSTEMS INC (Continued) **S112961270**

Address: 2040 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2007
GEPAID: CAC002616409
Contact: GERROD NEWLANDER
Telephone: 3104165680
Mailing Name: Not reported
Mailing Address: PO BOX 92919 MS W/S12/W356
Mailing City,St,Zip: LOS ANGELES, CA 90009
Gen County: Los Angeles
TSD EPA ID: AZD000337360
TSD County: Not reported
Tons: 0.18734
CA Waste Code: 261-Polychlorinated biphenyls and material containing PCBs
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: BOEING SATELITE SYSTEMS INC
Address: 2040 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2007
GEPAID: CAC002616409
Contact: GERROD NEWLANDER
Telephone: 3104165680
Mailing Name: Not reported
Mailing Address: PO BOX 92919 MS W/S12/W356
Mailing City,St,Zip: LOS ANGELES, CA 90009
Gen County: Los Angeles
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Tons: 3.3
CA Waste Code: 352-Other organic solids
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

CERS:
Name: CSSIMM - MARIPOSA
Address: 2040 E MARIPOSA AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 421891
CERS ID: 10734964
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2017

BOEING SATELITE SYSTEMS INC (Continued) **S112961270**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 421891
Facility Name: CSSIMM - Mariposa
Env Int Type Code: HMBP
Program ID: 10734964
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.923000
Longitude: -118.389850

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Document Preparer
Entity Name: Greg Edling
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Greg Edling
Entity Title: Not reported
Affiliation Address: 2040 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2040 E Mariposa Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245

BOEING SATELITE SYSTEMS INC (Continued) **S112961270**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Chan Soon-Shiong Institutes for Medicine
Entity Title:	Not reported
Affiliation Address:	2040 E Mariposa Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(213) 266-5638
Affiliation Type Desc:	Operator
Entity Name:	Priscilla Awadallah
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 437-3359
Affiliation Type Desc:	Identification Signer
Entity Name:	Greg Edling
Entity Title:	Director EOC & EMS
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CSSIMM - Mariposa
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Chan Soon-Shiong Institutes for Medicine
Entity Title:	Not reported
Affiliation Address:	2040 E Mariposa Ave
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90245
Affiliation Phone:	(213) 266-5638

T120
ESE
1/8-1/4
0.246 mi.
1297 ft.

CHAN SOON SHIONG INSTITUTE FOR MEDICINE IMUNNO ONC
2040 E MARIPOSA AVE
EL SEGUNDO, CA 90245

RCRA NonGen / NLR

1024863108
CAL000431646

Site 8 of 8 in cluster T

Relative:
Lower

Actual:
107 ft.

RCRA NonGen / NLR:

Date form received by agency:	2017-10-20 00:00:00.0
Facility name:	CHAN SOON SHIONG INSTITUTE FOR MEDICINE IMUNNO ONCOLOGY NETWORK
Facility address:	2040 E MARIPOSA AVE EL SEGUNDO, CA 90245
EPA ID:	CAL000431646
Mailing address:	9920 E JEFFERSON BLVD CULVER CITY, CA 90232
Contact:	PRISCILLA AWADALLAH
Contact address:	9920 E JEFFERSON BLVD CULVER CITY, CA 90232
Contact country:	Not reported
Contact telephone:	310-853-7869
Contact email:	PRISCILLA.AWADALLAH@NANTWORKS.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PRISCILLA AWADALLAH
Owner/operator address:	9920 E JEFFERSON BLVD CULVER CITY, CA 90232
Owner/operator country:	Not reported
Owner/operator telephone:	310-853-7869
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NANTWORKS LLC
Owner/operator address:	9920 E JEFFERSON BLVD CULVER CITY, CA 90232
Owner/operator country:	Not reported
Owner/operator telephone:	310-853-7869
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CHAN SOON SHIONG INSTITUTE FOR MEDICINE IMUNNO ONCOLOGY NETW (Continued) **1024863108**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

V121 **THE BOEING COMPANY** **SEMS-ARCHIVE** **1000240982**
NNE **1920 E IMPERIAL HWY** **CORRACTS** **CAD060897063**
1/4-1/2 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.308 mi. **RCRA-LQG**
1626 ft. **Site 1 of 2 in cluster V** **US INST CONTROL**
CA CERS HAZ WASTE
Relative: **CA SWEEPS UST**
Lower **US FIN ASSUR**
Actual: **2020 COR ACTION**
106 ft. **CA ICE**
CA LOS ANGELES CO. HMS
CA HWP
CA CERS

SEMS Archive:

Site ID:	0903305
EPA ID:	CAD060897063
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0903305
EPA ID:	CAD060897063
Site Name:	HUGHES AIRCRAFT CO S&CG
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0903305
EPA ID:	CAD060897063
Site Name:	HUGHES AIRCRAFT CO S&CG
NPL:	N
FF:	N
OU:	00
Action Code:	DS

THE BOEING COMPANY (Continued) **1000240982**

Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903305
EPA ID: CAD060897063
Site Name: HUGHES AIRCRAFT CO S&CG
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-03-08 05:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:
EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-07 00:00:00.0
Action: CA999RM - Corrective Action Process Terminated, Remedial Activities Completed
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2017-06-12 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-06 00:00:00.0
Action: CA550RC
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2017-06-11 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-04-28 00:00:00.0
Schedule end date: 2017-06-10 00:00:00.0

EPA ID: CAD060897063
EPA Region: 09

THE BOEING COMPANY (Continued) **1000240982**

Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-06-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-05 00:00:00.0
Action: CA772PR
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-06-04 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2016-04-19 00:00:00.0
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2016-04-24 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-27 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2013-06-08 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD060897063
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-13 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 336414
Guided Missile and Space Vehicle Manufacturing
Original schedule date: 2010-09-21 00:00:00.0
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-07-31 00:00:00.0
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581

THE BOEING COMPANY (Continued) **1000240982**

LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: E IMPERIAL HWY
EL SEGUNDO, CA 90245
Owner/operator country: US

THE BOEING COMPANY (Continued) **1000240982**

Owner/operator telephone: 310-345-8778
Owner/operator email: JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: THE BOEING COMPANY
Owner/operator address: PO BOX 92919 W S01 D381
LOS ANGELES, CA 90009
Owner/operator country: US
Owner/operator telephone: 310-416-5680
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2000-10-06 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-18 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-08-21 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

Date form received by agency: 2010-06-22 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2008-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2006-02-23 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2004-02-27 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 1994-03-31 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

THE BOEING COMPANY (Continued) **1000240982**

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS)

THE BOEING COMPANY (Continued) **1000240982**

ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 1107

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 141821

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 8132

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1028

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2088

Waste code: D008
Waste name: LEAD
Amount (Lbs): 49159

Waste code: D011

THE BOEING COMPANY (Continued) **1000240982**

Waste name: SILVER
Amount (Lbs): 10402

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 118

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

THE BOEING COMPANY (Continued) **1000240982**

Event date: 1991-02-27 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-02-27 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 1992-06-01 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1992-08-14 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 1992-08-14 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 2010-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-13 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-27 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-04-19 00:00:00.0
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-06 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2017-06-07 00:00:00.0
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2013-08-20 00:00:00.0
Date achieved compliance: 2013-09-20 00:00:00.0
Violation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2006-05-16 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2006-05-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-06-30 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2004-08-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1996-02-22 00:00:00.0
Date achieved compliance: 1997-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1996-02-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-04-29 00:00:00.0
Date achieved compliance: 1994-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE

THE BOEING COMPANY (Continued) **1000240982**

Enforcement action date: 1994-04-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-04-09 00:00:00.0
Date achieved compliance: 1993-05-19 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1992-12-22 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1990-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-17 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1988-05-02 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-03-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-02-08 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-03-16 00:00:00.0
Enf. disposition status: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2015-11-30 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-10-01 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-08-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2013-09-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2013-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-07-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-12-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-08-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-07-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW

THE BOEING COMPANY (Continued) **1000240982**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2009-09-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2009-08-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-10-23 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-02-19 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-06-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-09-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 2006-05-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2007-04-23 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-05-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-05-12 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-06-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2007-04-23 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-06-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-12-15 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-11-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-10-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-03-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-06-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-02-09 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-01-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1997-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-11-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-04-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-04-09 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-03-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-12-22 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1992-02-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

THE BOEING COMPANY (Continued) **1000240982**

Evaluation date: 1990-03-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1988-05-02 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-08 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-07-31 00:00:00.0
Facility name: THE BOEING COMPANY
Facility address: 1920 E IMPERIAL HWY
EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Mailing address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact: JERROD NEWLANDER
Contact address: PO BOX 92919 W/S25/D581
LOS ANGELES, CA 90009
Contact country: US
Contact telephone: 310-345-8778
Contact email: JERROD.J.NEWLANDER@BOEING.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less

THE BOEING COMPANY (Continued) **1000240982**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	E IMPERIAL HWY
	EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	310-345-8778
Owner/operator email:	JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	E IMPERIAL HWY
	EL SEGUNDO, CA 90245
Owner/operator country:	US
Owner/operator telephone:	310-345-8778
Owner/operator email:	JERROD.J.NEWLANDER@BOEING.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	THE BOEING COMPANY
Owner/operator address:	PO BOX 92919 W S01 D381
	LOS ANGELES, CA 90009
Owner/operator country:	US
Owner/operator telephone:	310-416-5680
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2000-10-06 00:00:00.0
Owner/Op end date:	Not reported

THE BOEING COMPANY (Continued) **1000240982**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-18 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-12-19 00:00:00.0
Site name: THE BOEING COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-08-21 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2010-06-22 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2008-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2006-02-23 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2004-02-27 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEMS, INC.
Classification: Large Quantity Generator

Date form received by agency: 2000-10-16 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC

THE BOEING COMPANY (Continued) **1000240982**

Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO
Classification: Large Quantity Generator

Date form received by agency: 1994-03-31 00:00:00.0
Site name: HUGHES SPACE AND COMMUNICATIONS CO.
Classification: Large Quantity Generator

Date form received by agency: 1992-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO-SCG
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Date form received by agency: 1986-02-25 00:00:00.0
Site name: BOEING SATELLITE SYSTEM INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151

THE BOEING COMPANY (Continued) **1000240982**

. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 211
. Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 726
. Waste name: Liquids with nickel > 134 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

THE BOEING COMPANY (Continued) **1000240982**

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

THE BOEING COMPANY (Continued) **1000240982**

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U012
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)

. Waste code: U041
. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE (OR) ETHENE, 1,2-DICHLORO-,(E)-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

THE BOEING COMPANY (Continued) **1000240982**

Amount (Lbs): 1107

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 141821

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 8132

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1028

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2088

Waste code: D008
Waste name: LEAD
Amount (Lbs): 49159

Waste code: D011
Waste name: SILVER
Amount (Lbs): 10402

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 118

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

THE BOEING COMPANY (Continued) **1000240982**

MIXTURES.
Amount (Lbs): 20778

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 20778

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
Amount (Lbs): 7824

Waste code: LABP
Waste name: LAB PACK
Amount (Lbs): 5548

Waste code: P098
Waste name: POTASSIUM CYANIDE
Amount (Lbs): 127

Waste code: P106
Waste name: SODIUM CYANIDE
Amount (Lbs): 127

Corrective Action Summary:

Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-02-27 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-02-27 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 1992-06-01 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1992-08-14 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 1992-08-14 00:00:00.0
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 2010-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

THE BOEING COMPANY (Continued) **1000240982**

Event date: 2013-06-13 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2013-06-27 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-04-19 00:00:00.0
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-05 00:00:00.0
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

Event date: 2017-06-06 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2017-06-07 00:00:00.0
Event: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE

Event date: Not reported
Event: RFA NEED BY ANOTHER AGCY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2013-08-20 00:00:00.0
Date achieved compliance: 2013-09-20 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2006-05-16 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2006-05-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 2004-06-30 00:00:00.0
Date achieved compliance: 2007-04-23 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2004-08-25 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1996-02-22 00:00:00.0
Date achieved compliance: 1997-01-01 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1996-02-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-04-29 00:00:00.0
Date achieved compliance: 1994-06-01 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1994-04-29 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2500
Final penalty amount: 2500
Paid penalty amount: 2500

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1993-04-09 00:00:00.0
Date achieved compliance: 1993-05-19 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-04-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H

THE BOEING COMPANY (Continued) **1000240982**

Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-10 00:00:00.0
Date achieved compliance: 1992-12-22 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 1990-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 4500
Paid penalty amount: 4500

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-03-13 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1988-05-02 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-03-28 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General

THE BOEING COMPANY (Continued) **1000240982**

Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-24 00:00:00.0
Date achieved compliance: 1992-02-26 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-02-08 00:00:00.0
Date achieved compliance: 1988-05-13 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-03-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-11-30 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-10-01 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2013-08-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 2013-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2013-09-20 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2013-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-07-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2011-12-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-08-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-07-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2009-09-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2009-08-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-10-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-10-23 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2008-02-19 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-06-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-09-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 2006-05-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2007-04-23 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-05-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-05-12 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 2004-06-30 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 2007-04-23 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2004-06-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-12-15 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-11-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-10-23 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-03-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-06-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-02-09 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-01-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1997-01-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-11-10 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-04-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-06-01 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-04-09 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1993-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-12-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-03-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-12-22 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1992-02-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-03-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-03-13 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-02-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1988-05-02 00:00:00.0

THE BOEING COMPANY (Continued) **1000240982**

Evaluation lead agency: State

Evaluation date: 1988-02-08 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-05-13 00:00:00.0
Evaluation lead agency: State

US INST CONTROL:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
Address 2: Not reported
City,State,Zip: EL SEGUNDO, CA 90245-2701
EPA ID: CAD060897063
Site ID: Not reported
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Action Completion Date: 01/01/1900
Actual Date: 06/05/2017
Contaminated Media: Not reported
Institutional Control: Not reported
Event Code: CA772PR
Contact Name: JERROD NEWLANDER
Contact Telephone: 310-345-8778
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

CERS HAZ WASTE:
Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Chemical Management

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Hazardous Waste Generator

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 13534
Number: 9
Board Of Equalization: 44-008026

THE BOEING COMPANY (Continued) **1000240982**

Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013534-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

US FIN ASSUR:
EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 8000000
Face value: 8000000
Effective date: 2007-04-27 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 8000000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 403000
Face value: 424000
Effective date: 2011-03-09 00:00:00
Provider: THE BANK OF TOKYO-MITSUBISHI UFJ,LTD
EPA region: 9

EPA ID: CAD060897063
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 403000
Face value: 0
Effective date: 2007-03-28 00:00:00
Provider: BANK OF NEW YORK
EPA region: 9

2020 COR ACTION:
EPA ID: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Region: 9
Action: Remedy Construction

ICE:
Envirostor ID: 3000044
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD060897063
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/15/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/20/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/20/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/16/2006
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/23/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/28/2008
Violation Class: No Violations
RTC Date: Not reported

THE BOEING COMPANY (Continued) **1000240982**

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/30/2004
Violation Class: Minor
RTC Date: 04/23/2007

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/23/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 08/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/06/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/01/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/26/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/30/2015

THE BOEING COMPANY (Continued) **1000240982**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/17/2000
Violation Class: No Violations
RTC Date: Not reported

LOS ANGELES CO. HMS:
Name: HUGHES AIRCRAFT CO SCG
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 013223-013534
Facility Type: 0
Facility Status: Closed
Area: 2N
Permit Number: 00005161T
Permit Status: Closed

HWP:
Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
EPA Id: CAD060897063
Cleanup Status: CLOSED
Latitude: 33.93048
Longitude: -118.3946
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: EDWARD NIETO
Supervisor: HAI-YONG KANG
Site Code: 300215
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 06/29/2015

THE BOEING COMPANY (Continued) **1000240982**

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 01/28/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 11/30/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/13/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/03/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063

THE BOEING COMPANY (Continued) **1000240982**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 01/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 02/01/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 12/02/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/10/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 03/06/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 04/10/2017

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating

THE BOEING COMPANY (Continued) **1000240982**

Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 06/02/2002

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 01/14/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 10/13/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 02/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 02/02/1983

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 10/16/2006

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/06/2003

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA

THE BOEING COMPANY (Continued) **1000240982**

Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 04/10/2007

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 08/01/1990

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 11/05/1991

Closure:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/24/1996

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 05/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13

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Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/08/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN7-S34
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 01/15/2014

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/15/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/03/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/06/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/29/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - CLOSURE PLAN APPROVED

THE BOEING COMPANY (Continued) **1000240982**

Actual Date: 12/07/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 05/25/2015

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/15/1992

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 05/19/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN6-S30/S31 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/21/1993

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: TANKSTR1-S13
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/27/1994

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1-S12 (GPRA Unit), CONTAIN2-S15 (GPRA Unit), CONTAIN3-S16 (GPRA Unit), CONTAIN4-S17, Area 1 (GPRA Unit), CONTAIN5-S17, Area 2 (GPRA Unit), CONTAIN6-S30/S31 (GPRA Unit), CONTAIN7-S34, TANKSTR1-S13
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 05/25/2015

Alias:
EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609672

EPA Id: CAD060897063
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300215

CERS:
Name: BOEING SATELLITE SYS

THE BOEING COMPANY (Continued) **1000240982**

Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Site ID: 335217
CERS ID: 80001440
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: Vu Nguyen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CHATSWORTH
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: THE BOEING COMPANY
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Site ID: 216674
CERS ID: CAD060897063
CERS Description: Hazardous Waste

Evaluation:
Eval General Type: Information Request
Eval Date: 02-19-2008
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2008
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2006
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection

THE BOEING COMPANY (Continued) **1000240982**

Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2007
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	05-12-2005
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	05-16-2006
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-23-2005
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-23-2004
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	06-28-2007
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control

THE BOEING COMPANY (Continued) **1000240982**

Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 06-30-2004
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2007-04-23 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 07-06-2012
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 07-20-2010
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-17-2010
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 08-20-2009
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2009
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

THE BOEING COMPANY (Continued) **1000240982**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-01-2013
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Information Request
Eval Date:	10-23-2008
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-28-2008
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-17-2000
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2015
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Information Request
Eval Date:	12-15-2000
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-20-2011
Violations Found:	No

THE BOEING COMPANY (Continued) **1000240982**

Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: The Boeing Company
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900090000
Affiliation Phone: 3103458778

Affiliation Type Desc: Facility Contact
Entity Name: JERROD NEWLANDER
Entity Title: Not reported
Affiliation Address: PO BOX 92919 W/S25/D581
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90009
Affiliation Phone: 3103458778

Name: THE BOEING COMPANY - S15
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 160608
CERS ID: 10206970
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 160608
Site Name: The Boeing Company - S15
Violation Date: 02-23-2017
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 03/13/2017. The inspection log did not have any records for the month of February, 2017. Failure to document daily inspections of the waste tanks. The facility did not have any inspections records for the daily tank inspections for the month of February. There were good records for all other past months. The tanks shall be inspected each day of operation and those inspections shall be documented.
Violation Division: El Segundo City Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 160608
Site Name: The Boeing Company - S15

THE BOEING COMPANY (Continued) **1000240982**

Violation Date:	08-20-2013
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	RCRA Large Quantity Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/20/2013.
Violation Division:	El Segundo City Fire Department
Violation Program:	HWLQG
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	02-23-2017
Citation:	22 CCR 15 66265.196 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.196
Violation Description:	Failure to immediately remove from service a tank system or secondary containment system from which there has been a leak, spill, is unfit for use and comply with applicable requirements.
Violation Notes:	Returned to compliance on 03/23/2017. Failure to ensure there were no leaks in the tank containment area. Liquid was in the containment area and was being removed. The liquid could have been rainwater or waste water. The containment area shall be kept free of spills and maintained dry.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	08-20-2013
Citation:	HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 09/20/2013. Training documentation required for Clean Harbors.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	160608
Site Name:	The Boeing Company - S15
Violation Date:	02-23-2017
Citation:	22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 03/23/2017. Failure to store hazardous waste in a manner that protects from a release. The plating process line had drag-out liquid collecting on the containment floor. The facility is not meeting the DTSC's guideline for wet floor management at plating facilities. Any spills in the plating area shall be removed by the end of each shift. The facility shall follow the wet floor guidance document. The document can be found at www.dtsc.ca.gov.
Violation Division:	El Segundo City Fire Department
Violation Program:	HW

THE BOEING COMPANY (Continued) **1000240982**

Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: The facility is meeting the requirements for the Business Plan and the information in CERS is current.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection of new gold cyanide plating line with remote cameras installed for monitoring and remote viewing.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Boeing is a large quantity generator and has closed its TSFD facility.
Eval Division: El Segundo City Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-20-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Hazardous wastes generated are stored in concrete bunker
Eval Division: El Segundo City Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-26-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: This inspection was originally conducted on February 22, 2017 with Anu Garg. all items were inspected on the original report and this report is only to meet RCRA reporting requirements.

THE BOEING COMPANY (Continued) **1000240982**

Eval Division:	El Segundo City Fire Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The CalARP is complete and no deficiencies were identified.
Eval Division:	El Segundo City Fire Department
Eval Program:	CalARP
Eval Source:	CERS

Coordinates:

Site ID:	160608
Facility Name:	The Boeing Company - S15
Env Int Type Code:	CalARP
Program ID:	10206970
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.930390
Longitude:	-118.393720

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	El Segundo City Fire Department
Entity Title:	Not reported
Affiliation Address:	314 Main Street
Affiliation City:	El Segundo
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	(310) 524-2395
Affiliation Type Desc:	Parent Corporation
Entity Name:	Boeing Satellite System Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Anu Garg
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	CRAIG DAVIS

THE BOEING COMPANY (Continued) **1000240982**

Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Anu Garg
Entity Title:	Environmental Engineer
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90009-2919
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Operator
Entity Name:	The Boeing Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 345-8781
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 92919 W/S25/D581
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90009-2919
Affiliation Phone:	Not reported

V122 **BOEING SATELLITE SYSTEMS INC** **CA ENVIROSTOR** **1006816013**
NNE **1920 E IMPERIAL HWY** **CA DEED** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.308 mi.
1626 ft. **Site 2 of 2 in cluster V**

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Name:	BOEING SATELLITE SYSTEMS INC
Address:	1920 E IMPERIAL HWY
City,State,Zip:	EL SEGUNDO, CA 902452701
Facility ID:	80001440
Status:	Active
Status Date:	01/01/2008
Site Code:	300215
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	52
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Vu Nguyen
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.93048
Longitude:	-118.3946
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC
Potential COC:	Freon 113
Confirmed COC:	Freon 113
Potential Description:	OTH
Alias Name:	CAD060897063
Alias Type:	EPA Identification Number
Alias Name:	110000609672
Alias Type:	EPA (FRS #)
Alias Name:	300215
Alias Type:	Project Code (Site Code)
Alias Name:	80001440
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Human Exposure Controlled
Completed Date:	06/13/2013
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RFI Report
Completed Date:	01/26/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Document Type: RFI Workplan
Completed Date: 01/07/2010
Comments: Facility submitted one workplan that was approved as a final on 1/7/2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 04/27/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 07/18/2008
Comments: This is a final addendum workplan 1 with clarifications from previous meetings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/04/2008
Comments: This workplan was approved in Sept. 2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/28/2012
Comments: Approved with RFI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/19/2012
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/23/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: LUC signed by both parties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Oversight Cost Recovery Estimate
Completed Date: 10/24/2013
Comments: Cost estimate for 2013/2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Action Completion Determination
Completed Date: 06/07/2017
Comments: No further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 06/28/2016
Comments: Not reported

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/29/2015
Comments: Certification completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/13/2015
Comments: Uploaded and mailed out.

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/06/2017
Comments: EI is met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/28/2016
Comments: NOE Signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 02/21/2019
Comments: Corrective action termination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 08/14/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/01/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 11/16/2006
Comments: Signed CACA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/08/2012
Comments: DTSC approves the HRA Report as submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Date: 08/07/2013
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/31/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/18/2013
Comments: Document reviewed and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/09/2014
Comments: DTSC has no comments. Results from the report will be used to recommend corrective action termination.

Completed Area Name: S-16 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/24/2014
Comments: Not reported

Completed Area Name: Building 17
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: S-17 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/19/2016
Comments: Not reported

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Completed Area Name: S-12 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: S-15 HWMU
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/19/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/29/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701

BOEING SATELLITE SYSTEMS INC (Continued) **1006816013**

Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: BOEING SATELLITE SYSTEMS INC
Address: 1920 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 902452701
Envirostor ID: 80001440
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

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123 South 1/4-1/2 0.309 mi. 1634 ft. **JIM & JACK AUTO BODY** **CA LUST S101296171**
307 SEPULVEDA BLVD N **CA HIST CORTESE N/A**
EL SEGUNDO, CA 90245 **CA CERS**

Relative: Lower
Actual: 112 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13092
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704033
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: GRAND AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 10/2/1989
Date Leak First Reported: 9/26/1990
Date Leak Record Entered: 12/4/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 10/2/1989
Date Case Last Changed on Database: 10/8/1992
Date the Case was Closed: 10/8/1992
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: KIZIRIAN, JAMES

JIM & JACK AUTO BODY (Continued) **S101296171**

Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	8074.48766678085450429762 9471
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	10/2/1989
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	1/1/1965
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	KEVORK TEXACO
RP Address:	1605 GRAND AVE., E., EL SEGUNDO, 90245
Program:	LUST
Lat/Long:	33.9193645 / -1
Local Agency Staff:	SHT
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

LUST:

Name:	JIM & JACK AUTO BODY
Address:	307 SEPULVEDA BLVD N
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704033
Global Id:	T0603704033
Latitude:	33.9193645
Longitude:	-118.3963002
Status:	Completed - Case Closed
Status Date:	10/08/1992
Case Worker:	SHT
RB Case Number:	I-13092
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603704033
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF

JIM & JACK AUTO BODY (Continued) **S101296171**

Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603704033
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Stopped

Global Id: T0603704033
Action Type: Other
Date: 09/26/1990
Action: Leak Reported

Global Id: T0603704033
Action Type: Other
Date: 10/02/1989
Action: Leak Discovery

LUST:
Global Id: T0603704033
Status: Open - Case Begin Date
Status Date: 10/02/1989

Global Id: T0603704033
Status: Open - Site Assessment
Status Date: 10/02/1989

Global Id: T0603704033
Status: Completed - Case Closed
Status Date: 10/08/1992

HIST CORTESE:
edr_fname: JIM & JACK AUTO BODY
edr_fadd1: 307 SEPULVEDA
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-13092

CERS:
Name: JIM & JACK AUTO BODY

JIM & JACK AUTO BODY (Continued) **S101296171**

Address: 307 SEPULVEDA BLVD N
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 201753
CERS ID: T0603704033
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

124
NE
1/4-1/2
0.346 mi.
1825 ft.

Relative:
Lower

Actual:
105 ft.

RAYTHEON COMPANY SAS
2000 E. IMPERIAL HIGHWAY
EL SEGUNDO, CA 90245

RCRA-LQG **1000241015**
CA LUST **CAD981571714**
CA SWEEPS UST
CA HIST UST
FINDS
ECHO
CA HIST CORTESE
LA Co. Site Mitigation
CA CERS

RCRA-LQG:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: RAYTHEON COMPANY SAS
Facility address: 2000 E. IMPERIAL HWY
EL SEGUNDO, CA 90245-0000
EPA ID: CAD981571714
Mailing address: E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 301-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

RAYTHEON COMPANY SAS (Continued) **1000241015**

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1997-12-18 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON CO
Owner/operator address:	141 SPRING ST LEXINGTON, MA 02173
Owner/operator country:	Not reported
Owner/operator telephone:	781-860-2590
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-18 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

RAYTHEON COMPANY SAS (Continued) **1000241015**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2010-06-03 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Small Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0

RAYTHEON COMPANY SAS (Continued) **1000241015**

Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1986-09-30 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D000
. Waste name: Not Defined

RAYTHEON COMPANY SAS (Continued) **1000241015**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

RAYTHEON COMPANY SAS (Continued) **1000241015**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Violation Status: No violations found

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	I-12326
Status:	Case Closed
Substance:	Diesel
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603703959
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19013
Cross Street:	HUGHES WY
Enforcement Type:	Not reported
Date Leak Discovered:	3/20/1989
Date Leak First Reported:	3/9/1988
Date Leak Record Entered:	Not reported
Date Confirmation Began:	Not reported
Date Leak Stopped:	3/20/1989
Date Case Last Changed on Database:	3/26/1999
Date the Case was Closed:	5/12/1999
How Leak Discovered:	Subsurface Monitoring
How Leak Stopped:	Not reported
Cause of Leak:	Other Cause
Leak Source:	Other Source
Operator:	RADAR SYSTEMS GROUP
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	9207.3707001770484487301479 68
Source of Cleanup Funding:	Other Source
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	11/25/1987
Pollution Characterization Began:	7/19/1989
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported

RAYTHEON COMPANY SAS (Continued) **1000241015**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: RAYTHEON SYSTEM CO
RP Address: P.O. BOX 3310, FULLERTON, CA 92834
Program: LUST
Lat/Long: 33.9309974 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: 2A4
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: TRANSFERRED TO SITE INVESTIGATION UNIT FOR THE OVERSIGHT OF NON-FUEL RELATED CONTAMINATION. TRANSFERRED CASE TO SLIC UNIT

LUST:
Name: HUGHES AIRCRAFT
Address: 2000 IMPERIAL HWY E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703959
Global Id: T0603703959
Latitude: 33.927739
Longitude: -118.389796
Status: Completed - Case Closed
Status Date: 05/12/1999
Case Worker: YR
RB Case Number: I-12326
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603703959
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603703959
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles

RAYTHEON COMPANY SAS (Continued) **1000241015**

Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703959
Action Type: Other
Date: 03/20/1989
Action: Leak Stopped

Global Id: T0603703959
Action Type: Other
Date: 03/09/1988
Action: Leak Reported

Global Id: T0603703959
Action Type: Other
Date: 03/20/1989
Action: Leak Discovery

LUST:
Global Id: T0603703959
Status: Open - Case Begin Date
Status Date: 11/25/1987

Global Id: T0603703959
Status: Open - Site Assessment
Status Date: 11/25/1987

Global Id: T0603703959
Status: Open - Site Assessment
Status Date: 07/19/1989

Global Id: T0603703959
Status: Completed - Case Closed
Status Date: 05/12/1999

SWEEPS UST:
Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Not reported
Comp Number: 12326
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

RAYTHEON COMPANY SAS (Continued) **1000241015**

Number Of Tanks: 1

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

RAYTHEON COMPANY SAS (Continued) **1000241015**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCFT
Address: 2000 E IMPERIAL HWY
City: EL SEGUNDO
Status: Active
Comp Number: 12326
Number: 1
Board Of Equalization: Not reported
Referral Date: 06-13-90
Action Date: 06-13-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012326-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: HUGHES AIRCRAFT CO RADAR SYS
Address: 2000 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
File Number: 00026EA7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026EA7.pdf
Region: STATE
Facility ID: 00000029279
Facility Type: Other
Other Type: ELECTRONIC ASSY.
Contact Name: M.A. LIVESAY
Telephone: 2136482077

RAYTHEON COMPANY SAS (Continued) **1000241015**

Owner Name:	HUGHES AIRCRAFT CO.
Owner Address:	200 N. SEPULVEDA BLVD.
Owner City,St,Zip:	EL SEGUNDO, CA 90009
Total Tanks:	0009
Tank Num:	001
Container Num:	R-18-ULG-1
Year Installed:	1983
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	R-19-RG-1
Year Installed:	1974
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Sensor Instrument
Tank Num:	003
Container Num:	R-18-ULG-2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	R-5-D-1
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	R-5-WS-1
Year Installed:	Not reported
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	R-5-D-2
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported

RAYTHEON COMPANY SAS (Continued) **1000241015**

Leak Detection: None

Tank Num: 007
Container Num: R-5-D-3
Year Installed: 1977
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: R-5-WWSC-1
Year Installed: 1975
Tank Capacity: 00002800
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: R-17-D-1
Year Installed: Not reported
Tank Capacity: 00000150
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110002333975

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000241015
Registry ID: 110002333975
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002333975

RAYTHEON COMPANY SAS (Continued) **1000241015**

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT
edr_fadd1: 2000 IMPERIAL
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-12326

LA Co. Site Mitigation:
Name: HUGHES AIRCRAFT/RADAR SYSTEM
Address: 2000 E IMPERIAL HWY
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: Not reported
Status: Not reported
Site ID: SD0010178
Jurisdiction: Not reported
Case ID: RO0000441
Abated: Yes
Assigned To: EM
Entered Date: Not reported
Abated Date: 03/27/1989

CERS:
Name: HUGHES AIRCRAFT
Address: 2000 IMPERIAL HWY E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 239377
CERS ID: T0603703959
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

W125 **GLOBAL SOLUTIONS** **CA LUST** **S103285662**
SSE **1955 GRAND AVE** **CA CERS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.351 mi.
1855 ft. **Site 1 of 2 in cluster W**

Relative:
Higher

Actual:
116 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	902450089	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701269	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/31/1997
Date Leak Record Entered:	5/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/2/1998
Date the Case was Closed:		2/2/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7732.533116976584544896281612
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GLOBAL SOLUTIONS	
RP Address:	2700 COMBELLACK DR, SIGNAL HILL, CA 90806	
Program:	LUST	
Lat/Long:	33.9195106 / -1	
Local Agency Staff:	SHT	

GLOBAL SOLUTIONS (Continued) **S103285662**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CERS:
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 259011
CERS ID: T0603701269
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

W126 **MATTEL INC** **RCRA-SQG** **1000819588**
SSE **1955 E GRAND AVE** **CA LUST** **CAD983655804**
1/4-1/2 **EL SEGUNDO, CA 90245** **FINDS**
0.351 mi. **ECHO**
1855 ft. **Site 2 of 2 in cluster W** **CA EMI**
CA HIST CORTESE
Relative: Higher **CA CERS**

Actual: 116 ft.

RCRA-SQG:
Date form received by agency: 1999-04-01 00:00:00.0
Facility name: MATTEL INC
Facility address: 1955 E GRAND AVE
EL SEGUNDO, CA 90245-5012
EPA ID: CAD983655804
Mailing address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact: COZETTA MIGUELENA
Contact address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-252-5524

MATTEL INC (Continued) **1000819588**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MATTEL INC
Owner/operator address: 333 CONTINENTAL BLVD
EL SEGUNDO, CA 90245
Owner/operator country: Not reported
Owner/operator telephone: 310-252-5524
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

MATTEL INC (Continued) **1000819588**

NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

LUST:
Name: GLOBAL SOLUTIONS
Address: 1955 GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701269
Global Id: T0603701269
Latitude: 33.920641
Longitude: -118.39318
Status: Completed - Case Closed
Status Date: 02/02/1998
Case Worker: SHT
RB Case Number: 902450089
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603701269
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603701269
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

MATTEL INC (Continued) **1000819588**

LUST:
Global Id: T0603701269
Action Type: Other
Date: 12/31/1997
Action: Leak Reported

LUST:
Global Id: T0603701269
Status: Open - Case Begin Date
Status Date: 12/31/1997

Global Id: T0603701269
Status: Completed - Case Closed
Status Date: 02/02/1998

FINDS:

Registry ID: 110002889875

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000819588
Registry ID: 110002889875
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002889875

EMI:
Name: UNITED AIRLINES INC
Address: 1955 E GRAND AV
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 4042
Air District Name: SC
SIC Code: 6512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0

MATTEL INC (Continued) **1000819588**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: UNITED AIRLINES INC
Address: 1955 E GRAND AV
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 4042
Air District Name: SC
SIC Code: 4512
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: MATTEL, INCORPORATED
Address: 1955 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 112174
Air District Name: SC
SIC Code: 3944
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: MATTEL, INCORPORATED
Address: 1955 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 902450000
Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 112174
Air District Name: SC
SIC Code: 3944
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

MATTEL INC (Continued) **1000819588**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	3944
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02919
Reactive Organic Gases Tons/Yr:	0.01
Carbon Monoxide Emissions Tons/Yr:	0.1503
NOX - Oxides of Nitrogen Tons/Yr:	0.224
SOX - Oxides of Sulphur Tons/Yr:	0.001901
Particulate Matter Tons/Yr:	0.01675
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.0094959801530193197
Reactive Organic Gases Tons/Yr:	.005
Carbon Monoxide Emissions Tons/Yr:	.058
NOX - Oxides of Nitrogen Tons/Yr:	.088
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.005

Name:	MATTEL, INCORPORATED
Address:	1955 E GRAND AVE
City,State,Zip:	EL SEGUNDO, CA 902450000
Year:	2007
County Code:	19
Air Basin:	SC
Facility ID:	112174
Air District Name:	SC
SIC Code:	4512
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

MATTEL INC (Continued) **1000819588**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .0094959801530193197
Reactive Organic Gases Tons/Yr: .005
Carbon Monoxide Emissions Tons/Yr: .058
NOX - Oxides of Nitrogen Tons/Yr: .088
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .005
Part. Matter 10 Micrometers and Smllr Tons/Yr:.005

HIST CORTESE:
edr_fname: GLOBAL SOLUTIONS
edr_fadd1: 1955 GRAND
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 902450089

CERS:
Name: MATTEL CONFERENCE AND LEADERSHIP CENTER (MCLC)
Address: 1955 E GRAND AVE
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 133450
CERS ID: 10594501
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 10-29-2014
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by Nov. 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

MATTEL INC (Continued) **1000819588**

Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 10/11/2017. Facility failed to provide a valid CUPA permit for this site when using, storing or handling hazardous materials at or above reportable Threshold quantities facility needs to obtain a valid CUPA Permit for the site
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	133450
Site Name:	Mattel Conference and Leadership Center (MCLC)
Violation Date:	09-19-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 10/11/2017. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Update all submittal elements effected by the change(s) and electronically submit the update within 30 days.
Violation Division:	El Segundo City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	133450

MATTEL INC (Continued) **1000819588**

Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 09-19-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/11/2017. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete or update site map(s) with all required content and electronically submit in CERS.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 133450
Site Name: Mattel Conference and Leadership Center (MCLC)
Violation Date: 10-29-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/13/2014. Please submit chemical inventory and site map into CERs under this address by November 14.
Violation Division: El Segundo City Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-19-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: El Segundo City Fire Department

MATTEL INC (Continued) **1000819588**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Please submit site map and chemical inventory into CERs by Nov. 14.
Eval Division: El Segundo City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 133450
Facility Name: Mattel Conference and Leadership Center (MCLC)
Env Int Type Code: HMBP
Program ID: 10594501
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.920640
Longitude: -118.393180

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Mattel Inc
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd TWR 0501
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90245
Affiliation Phone: (310) 252-3854

Affiliation Type Desc: Document Preparer
Entity Name: Shameka Lewis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Shameka Lewis
Entity Title: EH&S Sr Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Mattel Inc
Entity Title: Not reported

MATTEL INC (Continued) **1000819588**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (310) 252-3854

Affiliation Type Desc: Parent Corporation
Entity Name: MATTEL, INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: El Segundo City Fire Department
Entity Title: Not reported
Affiliation Address: 314 Main Street
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: (310) 524-2395

Affiliation Type Desc: Environmental Contact
Entity Name: Toni Powell
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd TWR 0501
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 333 Continental Blvd TWR 0501
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

127
ESE
1/4-1/2
0.364 mi.
1922 ft.

HILTON GARDEN INN
MARIPOSA AVENUE AND NASH STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S104156165**
CA VCP **N/A**

Relative:
Lower

Actual:
102 ft.

ENVIROSTOR:

Name:	HILTON GARDEN INN
Address:	MARIPOSA AVENUE AND NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130106
Status:	No Further Action
Status Date:	09/24/1999
Site Code:	300779
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92305
Longitude:	-118.3872
APN:	NONE SPECIFIED
Past Use:	OIL FIELD
Potential COC:	* HYDROCARBON SOLVENTS * CONTAMINATED SOIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	110033614881
Alias Type:	EPA (FRS #)
Alias Name:	300779
Alias Type:	Project Code (Site Code)
Alias Name:	19130106
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/07/2000
Comments:	Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	09/24/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

HILTON GARDEN INN (Continued) **S104156165**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: HILTON GARDEN INN
Address: MARIPOSA AVENUE AND NASH STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 19130106
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Site Code: 300779
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 09/24/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92305 / -118.3872
APN: NONE SPECIFIED
Past Use: OIL FIELD
Potential COC: 10009, 10097
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110033614881
Alias Type: EPA (FRS #)
Alias Name: 300779
Alias Type: Project Code (Site Code)
Alias Name: 19130106
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/07/2000
Comments: Approved a Preliminary Endangerment Assessment (PEA) Report which the consultant had performed for this site. "No Further Action" is necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement

HILTON GARDEN INN (Continued) **S104156165**

Completed Date:	09/24/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

128
SSW
1/4-1/2
0.365 mi.
1925 ft.

Relative:
Higher

Actual:
120 ft.

INERNATIONAL RECTIFIER
1521 GRAND AVE
EL SEGUNDO, CA 90245

SEMS-ARCHIVE **1000216983**
RCRA-LQG **CAD076208313**
CA LUST
CA SWEEPS UST
CA HIST UST
US AIRS
FINDS
ECHO
CA HIST CORTESE
WI MANIFEST

SEMS Archive:

Site ID:	0905276
EPA ID:	CAD076208313
Cong District:	27
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-09-24 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0905276
EPA ID:	CAD076208313
Site Name:	INTERNATIONAL RECTIFIER
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA

INERNATIONAL RECTIFIER (Continued) **1000216983**

SEQ: 1
Start Date: Not reported
Finish Date: 1996-09-24 04:00:00
Qual: N
Current Action Lead: St Perf

Region: 09
Site ID: 0905276
EPA ID: CAD076208313
Site Name: INTERNATIONAL RECTIFIER
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1995-08-23 04:00:00
Finish Date: 1995-08-23 04:00:00
Qual: Not reported
Current Action Lead: St Perf

RCRA-LQG:
Date form received by agency: 2008-04-17 00:00:00.0
Facility name: INTERNATIONAL RECTIFIER
Facility address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
EPA ID: CAD076208313
Contact: DIANE E NIX
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 310-726-8291
Contact email: DNIX1@IRF.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: INTERNATIONAL RECTIFIER
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: INTERNATIONAL RECTFIER
Owner/operator address: 233 KANSAS STREET
EL SEGUNDO, CA 90245
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2007-04-06 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2006-02-28 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2004-03-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2002-03-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: INTERNATIONAL RECTIFIER

INERNATIONAL RECTIFIER (Continued) **1000216983**

Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: INTERNATIONAL RECTIFIER CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 1996-02-23 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 1994-03-29 00:00:00.0
Site name: INTERNATIONAL RECTIFIER
Classification: Large Quantity Generator

Date form received by agency: 1992-02-14 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: INTERNATIONAL RECTIFIER INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

INERNATIONAL RECTIFIER (Continued) **1000216983**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Violation Status: No violations found

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	908130489
Status:	Remedial action (cleanup) Underway
Substance:	Waste Water
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701959
W Global ID:	Not reported
Staff:	UNK
Local Agency:	19060
Cross Street:	CASPIAN
Enforcement Type:	Not reported
Date Leak Discovered:	2/27/1990
Date Leak First Reported:	6/6/1990
Date Leak Record Entered:	6/5/1990
Date Confirmation Began:	Not reported
Date Leak Stopped:	2/27/1990
Date Case Last Changed on Database:	6/6/1990
Date the Case was Closed:	Not reported
How Leak Discovered:	OM
How Leak Stopped:	Not reported
Cause of Leak:	Overfill
Leak Source:	Other Source
Operator:	OLD CASE #960119-01
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	15746.384384197494096821245649
Source of Cleanup Funding:	Other Source
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	2/27/1990
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: PRINT L.A. INC.
RP Address: 1520 16TH ST., W., LONG BEACH, 90813
Program: LUST
Lat/Long: 33.7870927 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

SWEEPS UST:
Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN

INERNATIONAL RECTIFIER (Continued) **1000216983**

STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10118
Number: 9
Board Of Equalization: 44-008713
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010118-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: INTERNATIONAL RECTIFIER
Address: 330 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000019020
Facility Type: Other
Other Type: SEMICONDUCTOR
Contact Name: ROBERT H. SMITH
Telephone: 2133223331
Owner Name: INTERNATIONAL RECTIFIER
Owner Address: 233 KANSAS ST.
Owner City,St,Zip: EL SEGUNDO, CA 90245
Total Tanks: 0003

Tank Num: 001
Container Num: 5755
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 002
Container Num: 5754
Year Installed: 1980
Tank Capacity: 00006000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: 1/4

INERNATIONAL RECTIFIER (Continued) **1000216983**

Leak Detection: 10

Tank Num: 003
Container Num: 5753
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor

US AIRS MINOR:
Envid: 1000216983
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
D and B Number: Not reported
Primary SIC Code: 3674
NAICS Code: 334413
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-02 00:00:00
Activity Status Date: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN

INERNATIONAL RECTIFIER (Continued) **1000216983**

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956

INERNATIONAL RECTIFIER (Continued) **1000216983**

Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

INERNATIONAL RECTIFIER (Continued) **1000216983**

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

INERNATIONAL RECTIFIER (Continued) **1000216983**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700956
Facility Registry ID: 110064159119
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110064159119

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR MINOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000216983
Registry ID: 110064159119
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110064159119

INERNATIONAL RECTIFIER (Continued) **1000216983**

HIST CORTESE:
- edr_fname: PRINT L.A. INC
- edr_fadd1: 1520 016TH
- City,State,Zip: LONG BEACH, CA 90813
- Region: CORTESE
- Facility County Code: 19
- Reg By: LTNKA
- Reg Id: 908130489

WI MANIFEST:
- Name: INTERNATIONAL RECTFIER
- Address: 233 KANSAS STREET
- City,State,Zip: IL SEGUNDO, CA 90245
- Year: 2006
- EPA ID: CAD076208313
- FID: 0
- ACT Code: 201
- ACT Status: A
- ACT Code 1: 201
- ACT Name: HW Generator - Large
- Contact Title: Not reported
- Contact Name: Not reported
- Contact Address: Not reported
- Contact City/State/Zip: Not reported
- Contact Telephone: Not reported
- Contact EMail Address: Not reported

- Name: INTERNATIONAL RECTFIER
- Address: 233 KANSAS STREET
- City,State,Zip: IL SEGUNDO, CA 90245
- Year: 2005
- EPA ID: CAD076208313
- FID: 0
- ACT Code: 201
- ACT Status: A
- ACT Code 1: 201
- ACT Name: HW Generator - Large
- Contact Title: Not reported
- Contact Name: Not reported
- Contact Address: Not reported
- Contact City/State/Zip: 0
- Contact Telephone: 0
- Contact EMail Address: Not reported

X129 **HUGHES BLDG R-18/S-48** **CA LUST** **S103281960**
NNE **2030 IMPERIAL HWY E** **CA HIST CORTESE** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA CERS**
0.377 mi.
1989 ft. **Site 1 of 5 in cluster X**

Relative: **Lower**
Actual: **104 ft.**

LUST REG 4:
- Region: 4
- Regional Board: 04
- County: Los Angeles
- Facility Id: 902450061

HUGHES BLDG R-18/S-48 (Continued) **S103281960**

Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701267	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/17/1997	
Date Leak First Reported:		9/17/1997
Date Leak Record Entered:	1/5/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/17/1997
Date the Case was Closed:		10/24/1997
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		10004.707994298218613176074749
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		2
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	HUGHES AIRCRAFT CO	
RP Address:	P.O. BOX 3310, TC16/B108, FULLERTON, CA 92834	
Program:	LUST	
Lat/Long:	33.9306133 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	MTBE	

LUST:
Name: HUGHES BLDG R-18/S-48

HUGHES BLDG R-18/S-48 (Continued) **S103281960**

Address:	2030 IMPERIAL HWY E
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701267
Global Id:	T0603701267
Latitude:	33.9308304
Longitude:	-118.3912995
Status:	Completed - Case Closed
Status Date:	10/24/1997
Case Worker:	SHT
RB Case Number:	902450061
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701267
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603701267
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603701267
Action Type:	Other
Date:	09/17/1997
Action:	Leak Discovery

Global Id:	T0603701267
Action Type:	Other
Date:	09/17/1997
Action:	Leak Reported

LUST:

Global Id:	T0603701267
Status:	Open - Case Begin Date
Status Date:	09/17/1997

Global Id:	T0603701267
Status:	Completed - Case Closed
Status Date:	10/24/1997

HUGHES BLDG R-18/S-48 (Continued) **S103281960**

HIST CORTESE:
- edr_fname: HUGHES BLDG R-18/S-48
- edr_fadd1: 2030 IMPERIAL
- City,State,Zip: EL SEGUNDO, CA 90245
- Region: CORTESE
- Facility County Code: 19
- Reg By: LTNKA
- Reg Id: 902450061

CERS:
- Name: HUGHES BLDG R-18/S-48
- Address: 2030 IMPERIAL HWY E
- City,State,Zip: EL SEGUNDO, CA 90245
- Site ID: 235233
- CERS ID: T0603701267
- CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
- Affiliation Type Desc: Local Agency Caseworker
- Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
- Entity Title: Not reported
- Affiliation Address: 314 MAIN STREET
- Affiliation City: EL SEGUNDO
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: Not reported

- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 W. 4TH ST., SUITE 200
- Affiliation City: Los Angeles
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: Not reported

Y130 **CITY OF EL SEGUNDO** **CA LUST** **S105245837**
SSW **150 ILLINOIS ST** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.378 mi.
1994 ft. **Site 1 of 2 in cluster Y**

Relative: **Lower**
Actual: **114 ft.**

LUST REG 4:
- Region: 4
- Regional Board: 04
- County: Los Angeles
- Facility Id: R-20565
- Status: Leak being confirmed
- Substance: 1
- Substance Quantity: Not reported
- Local Case No: Not reported
- Case Type: Soil
- Abatement Method Used at the Site: Not reported
- Global ID: T0603705310

CITY OF EL SEGUNDO (Continued) **S105245837**

W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		7/1/1986
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	7/1/1986	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1987
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HILTON, JACK	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7644.2494960799073652181337702
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CITY OF EL SEGUNDO	
RP Address:	150 ILLINOIS STREET, EL SEGUNDO, CA 90245	
Program:	LUST	
Lat/Long:	33.9169335 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

SWEEPS UST:

Name:	CITY OF EL SEGUNDO, EQUIP MAINT
Address:	150 ILLINOIS ST
City:	EL SEGUNDO
Status:	Active
Comp Number:	10045
Number:	9
Board Of Equalization:	44-008693
Referral Date:	06-30-89

CITY OF EL SEGUNDO (Continued) **S105245837**

Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 6

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045

CITY OF EL SEGUNDO (Continued) **S105245837**

Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000005
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: CITY OF EL SEGUNDO, EQUIP MAINT
Address: 150 ILLINOIS ST
City: EL SEGUNDO
Status: Active
Comp Number: 10045
Number: 9
Board Of Equalization: 44-008693
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010045-000006
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Y131 **BERGAN BRUNSWICK** **CA LUST** **S100224384**
SSW **150 ILLINOIS** **CA CHMIRS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.378 mi. **CA CERS**
1994 ft. **Site 2 of 2 in cluster Y**

Relative:
Lower

Actual:
114 ft.

LUST:

Name:	CITY OF EL SEGUNDO
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705310
Global Id:	T0603705310
Latitude:	33.9171671
Longitude:	-118.3982757
Status:	Completed - Case Closed
Status Date:	07/26/2006
Case Worker:	SHT
RB Case Number:	R-20565
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603705310
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603705310
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603705310
Action Type:	Other
Date:	07/01/1986
Action:	Leak Reported

LUST:

Global Id:	T0603705310
Status:	Open - Case Begin Date
Status Date:	07/01/1986

Global Id:	T0603705310
Status:	Open - Site Assessment

BERGAN BRUNSWICK (Continued) **S100224384**

Status Date: 07/01/1986

Global Id: T0603705310
Status: Completed - Case Closed
Status Date: 07/26/2006

CHMIRS:

Name:	Not reported
Address:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245-4311
OES Incident Number:	991567
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**30-SEP-88**
Property Use:	600
Agency Id Number:	19065
Agency Incident Number:	13696
Time Notified:	1323
Time Completed:	1448
Surrounding Area:	700
Estimated Temperature:	80
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	10
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	O'BRIEN
Report Date:	30-SEP-88
Facility Telephone:	213 322-4311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	30-SEP-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported

BERGAN BRUNSWICK (Continued) **S100224384**

E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

HIST CORTESE:

edr_fname:	CITY OF EL SEGUNDO
edr_fadd1:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-20565

edr_fname:	BERGAN BRUNSWICK
edr_fadd1:	150 ILLINOIS
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	263

CERS:

Name:	CITY OF EL SEGUNDO
Address:	150 ILLINOIS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	207825
CERS ID:	T0603705310
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker

BERGAN BRUNSWICK (Continued) **S100224384**

Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

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132 **HUGHES AIRCRAFT CO CSG** **CA LUST** **S102431537**
SSE **1990 GRAND AVE E** **CA SWEEPS UST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA HIST CORTESE**
0.396 mi. **CA CERS**
2092 ft.

Relative: **Higher**
Actual: **117 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-13532	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705198	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19013	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		8/19/1996
Date Leak Record Entered:	8/23/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		8/19/1996
Date the Case was Closed:		8/19/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7534.84954061541884537709753 47
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: HUGHES AIRCRAFT CO., S66
RP Address: P.O. BOX 92919, LOS ANGELES CA 90009
Program: LUST
Lat/Long: 33.9191286 / -1
Local Agency Staff: SHT
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Lead Agency: EL SEGUNDO, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705198
Global Id: T0603705198
Latitude: 33.9188509
Longitude: -118.39182
Status: Completed - Case Closed
Status Date: 08/19/1996
Case Worker: SHT
RB Case Number: R-13532
Local Agency: EL SEGUNDO, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603705198
Contact Type: Local Agency Caseworker
Contact Name: STEVE TSUMURA
Organization Name: EL SEGUNDO, CITY OF
Address: 314 MAIN STREET
City: EL SEGUNDO
Email: stsumura@elsegundo.org
Phone Number: Not reported

Global Id: T0603705198
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

LUST:
Global Id: T0603705198
Action Type: Other
Date: 08/19/1996
Action: Leak Reported

LUST:
Global Id: T0603705198
Status: Completed - Case Closed
Status Date: 08/19/1996

Global Id: T0603705198
Status: Open - Case Begin Date
Status Date: 08/19/1996

SWEEPS UST:
Name: HUGHES AIRCRAFT CO SCG
Address: 1990 GRAND AVE
City: EL SEGUNDO
Status: Active
Comp Number: 13532
Number: 9
Board Of Equalization: 44-008026
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-013532-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST CORTESE:
edr_fname: HUGHES AIRCRAFT CO CSG
edr_fadd1: 1990 GRAND
City,State,Zip: CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-13532

CERS:
Name: HUGHES AIRCRAFT CO CSG
Address: 1990 GRAND AVE E
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 231911
CERS ID: T0603705198
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

HUGHES AIRCRAFT CO CSG (Continued) **S102431537**

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title:	Not reported
Affiliation Address:	314 MAIN STREET
Affiliation City:	EL SEGUNDO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Z133 **GARRETT AIRESEARCH** **CA HIST CORTESE** **S105024630**
North **6201 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.407 mi.
2151 ft. **Site 1 of 3 in cluster Z**

Relative:
Lower

Actual:
107 ft.

HIST CORTESE:

edr_fname:	GARRETT AIRESEARCH
edr_fadd1:	6201 IMPERIAL
City,State,Zip:	LOS ANGELES, CA 90045
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900450570

Z134 **GARRETT AVIATION SVCS. - CFC AVIATION SVCS.** **CA ENVIROSTOR** **1006824524**
North **6201 W. IMPERIAL HIGHWAY** **CA CERS HAZ WASTE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045** **CA CERS TANKS**
0.407 mi. **CA EMI**
2151 ft. **Site 2 of 3 in cluster Z** **CA HAZNET**
CA HAZMAT

Relative:
Lower

LA Co. Site Mitigation
CA CERS

Actual:
107 ft.

ENVIROSTOR:

Name:	GARRETT AVIATION SVCS. - CFC AVIATION SVCS.
Address:	6201 W. IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	71003574
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.93148
Longitude: -118.4187
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA0000546630
Alias Type: EPA Identification Number
Alias Name: 110017207618
Alias Type: EPA (FRS #)
Alias Name: 71003574
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS HAZ WASTE:
Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: Hazardous Waste Generator

Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: RCRA LQ HW Generator

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

CERS TANKS:

Name:	GARRETT AVIATION SERVICES DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Site ID:	393683
CERS ID:	10152363
CERS Description:	Aboveground Petroleum Storage

EMI:

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	108857

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	UNC/CFC ACQUISITN
Address:	6201 W IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	108857
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	10
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7718617337
Reactive Organic Gases Tons/Yr:	1.67376
Carbon Monoxide Emissions Tons/Yr:	1.58604
NOX - Oxides of Nitrogen Tons/Yr:	1.95648
SOX - Oxides of Sulphur Tons/Yr:	0.08732
Particulate Matter Tons/Yr:	0.044683797
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04295936512

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2013

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6604989273
Reactive Organic Gases Tons/Yr:	2.51259
Carbon Monoxide Emissions Tons/Yr:	1.46672
NOX - Oxides of Nitrogen Tons/Yr:	2.24845
SOX - Oxides of Sulphur Tons/Yr:	0.1075
Particulate Matter Tons/Yr:	0.03498
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.03365262

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.54234517433
Reactive Organic Gases Tons/Yr:	0.391705877
Carbon Monoxide Emissions Tons/Yr:	1.29
NOX - Oxides of Nitrogen Tons/Yr:	1.65478
SOX - Oxides of Sulphur Tons/Yr:	0.07051
Particulate Matter Tons/Yr:	0.00881393017
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0072335705468

Name:	GARRETT AVN. SVCS. LLC DBA STANDARD AERO
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Year:	2017
County Code:	19
Air Basin:	SC
Facility ID:	155828
Air District Name:	SC
SIC Code:	4581
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.75716230816
Reactive Organic Gases Tons/Yr:	0.5544672
Carbon Monoxide Emissions Tons/Yr:	1.26
NOX - Oxides of Nitrogen Tons/Yr:	1.951
SOX - Oxides of Sulphur Tons/Yr:	0.0803326
Particulate Matter Tons/Yr:	0.0123892368
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.010523467328

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

HAZNET:

Name:	LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 900456306
Year:	2017
GEPAID:	CAL000330366
Contact:	SHAWN A. BEAVER
Telephone:	3104109605
Mailing Name:	Not reported
Mailing Address:	6201 W IMPERIAL HWY
Mailing City,St,Zip:	LOS ANGELES, CA 900456306
Gen County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County:	99
Tons:	0.2
CA Waste Code:	352-Other organic solids
Method:	H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

Name:	LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 900456306
Year:	2017
GEPAID:	CAL000330366
Contact:	SHAWN A. BEAVER
Telephone:	3104109605
Mailing Name:	Not reported
Mailing Address:	6201 W IMPERIAL HWY
Mailing City,St,Zip:	LOS ANGELES, CA 900456306
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County:	99
Tons:	0.035
CA Waste Code:	352-Other organic solids
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Name:	LANDMARK AVIATION DBA SIGNATURE FLIGHT SUPPORT
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 900456306
Year:	2017
GEPAID:	CAL000330366
Contact:	SHAWN A. BEAVER
Telephone:	3104109605
Mailing Name:	Not reported
Mailing Address:	6201 W IMPERIAL HWY
Mailing City,St,Zip:	LOS ANGELES, CA 900456306
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	0.38
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

LOS ANGELES HM:

Name:	STANDARD AERO BUSINESS AVIATION
Address:	6201 W IMPERIAL HWY # A
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	FA0025358
Last Run Date:	06/01/2019
Status:	INACTIVE

Name:	SIGNATURE FLIGHT SUPPORT
Address:	6201 W IMPERIAL HWY # B
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	FA0024101
Last Run Date:	06/01/2019
Status:	ACTIVE

LA Co. Site Mitigation:

Name:	ALLIED SIGNAL AEROSPACE CO.
Address:	6201 W IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
Facility ID:	FA0014246
Status:	Not reported
Site ID:	SD0010286
Jurisdiction:	Not reported
Case ID:	RO0010286
Abated:	Yes
Assigned To:	RS
Entered Date:	Not reported
Abated Date:	01/01/1991

CERS:

Name:	GARRETT AVN SVCS LLC DBA STANDARD AERO
Address:	6201 WEST IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045-6306
Site ID:	469525
CERS ID:	110017207618
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	PETER CHUNG
Entity Title:	SR. EHS/FACILITY MANAGER
Affiliation Address:	6201 W IMPERIAL HIGHWAY
Affiliation City:	LOSANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	PETER CHUNG
Entity Title:	SR. EHS/FACILITY MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Affiliation Phone: Not reported

Name: GARRETT AVIATION SERVICES DBA STANDARD AERO
Address: 6201 W IMPERIAL HWY
City,State,Zip: LOS ANGELES, CA 90045
Site ID: 393683
CERS ID: 10152363
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-20-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: assisting business with gaining compliance in CERS
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: Anthony Oderlin THIS FACILITY IS ALMOST ENTIRELY VACATED. ALL APSA TANKS HAVE BEEN REMOVED. ALL REPORTABLE ITEMS IN CERS HAVE BEEN REMOVED. REPORTABLE QUANTITIES OF PROPANE WILL REMAIN ON SITE UNTIL MAY 9TH TO OPERATE THE FORK LIFTS. REPORTABLE QUANTITIES OF OXYGEN AND ACETYLENE WERE FOUND ON SITE HOWEVER, ANTHONY ODERLIN OF STANDARD AERO, STATES THAT THESE TANKS BELONG TO THE NEW TENANT. FOLLOW UP ON THE NEW TENANTS WILL BE CONDUCTED WITH SHAWN BEAVER OF SIGNATURE FLIGHTS, THE CURRENT LEASE HOLDER. THIS FACILITY HAS BEEN REFERRED TO OUR DATA MANAGEMENT UNIT TO BE DEACTIVATED NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Anthony Oderlin Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: THIS FACILITY IS ALMOST ENTIRELY VACATED. ALL APSA TANKS HAVE BEEN REMOVED. ALL REPORTABLE ITEMS IN CERS HAVE BEEN REMOVED. REPORTABLE QUANTITIES OF PROPANE WILL REMAIN ON SITE UNTIL MAY 9TH TO OPERATE THE FORK LIFTS. REPORTABLE QUANTITIES OF OXYGEN AND ACETYLENE WERE FOUND ON SITE HOWEVER, ANTHONY ODERLIN OF STANDARD AERO, STATES THAT THESE TANKS BELONG TO THE NEW TENANT. FOLLOW UP ON THE NEW TENANTS WILL BE CONDUCTED WITH SHAWN BEAVER OF SIGNATURE FLIGHTS, THE CURRENT LEASE HOLDER. THIS FACILITY HAS BEEN REFERRED TO OUR DATA

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

MANAGEMENT UNIT TO BE DEACTIVATED NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMISSION TO INSPECT GRANTED BY PETER CHUNG PETER.CHUNG@STANDARDAERO.COM
Eval Division: Los Angeles City Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: PERMISSION TO INSPECT GRANTED BY PETER CHUNG PETER.CHUNG@STANDARDAERO.COM
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-29-2007
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: LA Co Inspector
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2010
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Los Angeles County
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-03-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Out of Business at this location - Landmark Aviation has taken the space previously occupied by Standard Aero.
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Eval Date:	12-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Peter Chung, Environmental Health & Safety Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	6201 W IMPERIAL HWY
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90045-6323
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Peter Chung
Entity Title:	Not reported
Affiliation Address:	6201 W IMPERIAL HWY
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90045
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	GARRETT AVIATION SERVICES
Entity Title:	Not reported
Affiliation Address:	6201 W IMPERIAL HWY
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90045-6323
Affiliation Phone:	(310) 568-3700

Affiliation Type Desc:	Operator
Entity Name:	Standardaero
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 568-3700

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012

GARRETT AVIATION SVCS. - CFC AVIATION SVCS. (Continued) **1006824524**

Affiliation Phone:	(213) 978-3680
Affiliation Type Desc:	Parent Corporation
Entity Name:	GARRETT AVIATION SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Z135 **GARRETT AIRESEARCH** **CA LUST S103891107**
North **6201 IMPERIAL HWY E** **CA CERS N/A**
1/4-1/2 **WESTCHESTER, CA 90045**
0.407 mi.
2151 ft. **Site 3 of 3 in cluster Z**

Relative: **Lower**

Actual: **107 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900450570	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701073	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	SEPULVEDA	
Enforcement Type:	Not reported	
Date Leak Discovered:	9/3/1986	
Date Leak First Reported:		7/24/1987
Date Leak Record Entered:	8/14/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/6/1996
Date the Case was Closed:		12/6/1996
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	OLD CASENO WAS 005058	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15361.511333526333633489755481
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

GARRETT AIRESEARCH (Continued) **S103891107**

Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: AIRESEARCH, GARRETT
RP Address: 6201 W IMPERIAL HWY, LOS ANGELES, CA 90045
Program: LUST
Lat/Long: 33.931002 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

LUST:
Name: GARRETT AIRESEARCH
Address: 6201 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045
Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701073
Global Id: T0603701073
Latitude: 33.931002
Longitude: -118.4177399
Status: Completed - Case Closed
Status Date: 12/06/1996
Case Worker: EL
RB Case Number: 900450570
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603701073
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701073
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

GARRETT AIRESEARCH (Continued) **S103891107**

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701073
Action Type: Other
Date: 07/24/1987
Action: Leak Reported

Global Id: T0603701073
Action Type: Other
Date: 09/03/1986
Action: Leak Discovery

LUST:
Global Id: T0603701073
Status: Open - Case Begin Date
Status Date: 09/03/1986

Global Id: T0603701073
Status: Completed - Case Closed
Status Date: 12/06/1996

CERS:
Name: GARRETT AIRESEARCH
Address: 6201 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045
Site ID: 253710
CERS ID: T0603701073
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

X136 **KOREAN AIRLINES FREIGHT** **CA LUST** **S103891106**
NNE **6101 IMPERIAL HWY E** **CA CPS-SLIC** **N/A**
1/4-1/2 **WESTCHESTER, CA 90045** **CA CERS**
0.410 mi.
2165 ft. **Site 2 of 5 in cluster X**

Relative: **Lower**

Actual: **103 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900450561	
Status:	Leak being confirmed	
Substance:	Kerosene	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701072	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19050	
Cross Street:	SEPULVEDA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	2/7/1990	
Date Leak First Reported:		10/27/1988
Date Leak Record Entered:	5/25/1995	
Date Confirmation Began:	2/7/1990	
Date Leak Stopped:	2/7/1990	
Date Case Last Changed on Database:		5/25/1995
Date the Case was Closed:		Not reported
How Leak Discovered:	Nuisance Conditions	
How Leak Stopped:	Not reported	
Cause of Leak:	Structure Failure	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		15197.214364892028950045049137
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	KOREAN AIRLINES	
RP Address:	6101 W IMPERIAL HWY LA CA 90049	
Program:	LUST	
Lat/Long:	33.931002 / -1	
Local Agency Staff:	PEJ	

KOREAN AIRLINES FREIGHT (Continued) **S103891106**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: INVENTORY LOSS REPORTED TO BE APPX 20,000 GAL. POSSIBLE PIPERUPTURE OCCURED. FUEL WAS SEEN COMING FROM GROUND.

CPS-SLIC:
Name: KOREAN AIRLINES FREIGHT
Address: 6101 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/27/2015
Global Id: T0603701072
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.931002
Longitude: -118.4169329
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900450561
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Kerosene
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: KOREAN AIRLINES FREIGHT
Address: 6101 IMPERIAL HWY E
City,State,Zip: WESTCHESTER, CA 90045
Site ID: 240946
CERS ID: T0603701072
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

X137 **KOREAN AIRLINES FREIGHT** **CA HIST CORTESE** **S105024629**
NNE **6101 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.410 mi.
2165 ft. **Site 3 of 5 in cluster X**

Relative: **Lower**

Actual: **103 ft.**

HIST CORTESE:

edr_fname:	KOREAN AIRLINES FREIGHT
edr_fadd1:	6101 IMPERIAL
City,State,Zip:	LOS ANGELES, CA 90045
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900450561

X138 **KOREAN AIR CARGO TERMINAL** **CA CPS-SLIC** **S106568479**
NNE **6101 WEST IMPERIAL HWY** **CA HIST UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045** **CA CERS**
0.410 mi.
2165 ft. **Site 4 of 5 in cluster X**

Relative: **Lower**

Actual: **103 ft.**

CPS-SLIC:

Name:	LAX - KOREAN AIRLINES
Address:	6101 WEST IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	07/21/2016
Global Id:	SL0603769898
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9317350546797
Longitude:	-118.39161157608
Case Type:	Cleanup Program Site
Case Worker:	CMC
Local Agency:	LA CNTY FIRE DEPT. (BILLING AND UST)
RB Case Number:	1061B
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor
Potential Contaminants of Concern:	Aviation, Total Petroleum Hydrocarbons (TPH)
Site History:	Site operated several undeground storage tanks (USTs), which have been removed. Presently the site is doing routine groundwater monitoring.

Click here to access the California GeoTracker records for this facility:

HIST UST:

Name:	KOREAN AIR CARGO TERMINAL
Address:	6101 WEST IMPERIAL HWY
City,State,Zip:	LOS ANGELES, CA 90045
File Number:	000273D7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000273D7.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported

KOREAN AIR CARGO TERMINAL (Continued) **S106568479**

Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CERS:

Name:	LAX - KOREAN AIRLINES
Address:	6101 WEST IMPERIAL HIGHWAY
City,State,Zip:	LOS ANGELES, CA 90045
Site ID:	254658
CERS ID:	SL0603769898
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CURT M. CHARMLEY - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

X139 **LAX - KOREAN AIRLINES** **CA CPS-SLIC** **S105520939**
NNE **6101 IMPERIAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90045**
0.410 mi.
2165 ft. **Site 5 of 5 in cluster X**

Relative: **Lower**
Actual: **103 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Not reported
SLIC:	1061B
Substance:	Not reported
Staff:	LACFD

AA140
ESE
1/4-1/2
0.424 mi.
2239 ft.

Relative:
Lower

Actual:
102 ft.

UNITED AIRLINES FLIGHT KITCHEN
444 NASH ST
EL SEGUNDO, CA 90009

Site 1 of 2 in cluster AA

CA LUST **S103985741**
CA SWEEPS UST **N/A**
CA EMI
CA HIST CORTESE
CA NPDES
CA CIWQS
CA CERS

LUST:

Name:	UNITED AIRLINE FLIGHT KITCHEN
Address:	444 NASH ST
City,State,Zip:	EL SEGUNDO, CA 90245
Lead Agency:	EL SEGUNDO, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704019
Global Id:	T0603704019
Latitude:	33.921778
Longitude:	-118.38632
Status:	Completed - Case Closed
Status Date:	07/25/1991
Case Worker:	SHT
RB Case Number:	I-12973
Local Agency:	EL SEGUNDO, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603704019
Contact Type:	Local Agency Caseworker
Contact Name:	STEVE TSUMURA
Organization Name:	EL SEGUNDO, CITY OF
Address:	314 MAIN STREET
City:	EL SEGUNDO
Email:	stsumura@elsegundo.org
Phone Number:	Not reported

Global Id:	T0603704019
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704019
Action Type:	Other
Date:	12/17/1990
Action:	Leak Stopped

Global Id:	T0603704019
Action Type:	Other
Date:	01/23/1991
Action:	Leak Reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Global Id: T0603704019
Action Type: Other
Date: 12/17/1990
Action: Leak Discovery

LUST:
Global Id: T0603704019
Status: Open - Case Begin Date
Status Date: 12/17/1990

Global Id: T0603704019
Status: Open - Remediation
Status Date: 12/17/1990

Global Id: T0603704019
Status: Completed - Case Closed
Status Date: 07/25/1991

SWEEPS UST:
Name: UNITED AIRLINES FLIGHT KITCHEN
Address: 444 NASH ST
City: EL SEGUNDO
Status: Not reported
Comp Number: 12973
Number: Not reported
Board Of Equalization: 44-009989
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012973-000001
Tank Status: Not reported
Capacity: 25000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

EMI:
Name: UNITED AIRLINES INC (FOOD SERV
Address: 444 NASH ST
City,State,Zip: EL SEGUNDO, CA 90009
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16256
Air District Name: SC
SIC Code: 2099
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
edr_fname: UNITED AIRLINE FLIGHT KIT
edr_fadd1: 444 NASH
City,State,Zip: EL SEGUNDO, CA 90009
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-12973

NPDES:
Name: T5 LOS ANGELES DATA CENTER
Address: 444 NORTH NASH STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C362440
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 06/01/2016
Operator Name: T5 at Los Angeles LLC
Operator Address: 3565 Piedmont Road Suite 318
Operator City: Atlanta
Operator State: Georgia
Operator Zip: 30305

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 4
Regulatory Measure ID: 421867
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 4 19C362440
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/15/2011
Processed Date:	11/16/2011
Status:	Terminated
Status Date:	06/01/2016
Place Size:	6.1
Place Size Unit:	Acres
Contact:	Addison Kerr
Contact Title:	Project Engineer
Contact Phone:	678-438-8084
Contact Phone Ext:	Not reported
Contact Email:	akerr@holder.com
Operator Name:	T5 at Los Angeles LLC
Operator Address:	3565 Piedmont Road Suite 318
Operator City:	Atlanta
Operator State:	Georgia
Operator Zip:	30305
Operator Contact:	Jimmy Bailey
Operator Contact Title:	Executive Vice President
Operator Contact Phone:	404-239-7143
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rsovie@t5datacenters.com
Operator Type:	Private Business
Developer:	T5 at Los Angeles LLC
Developer Address:	3565 Piedmont Road Suite 318
Developer City:	Atlanta
Developer State:	Georgia
Developer Zip:	30305
Developer Contact:	Jimmy Bailey
Developer Contact Title:	Executive Vice President
Constype Linear Utility Ind:	N
Emergency Phone:	678-438-8084
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Receiving Water Name:	Not reported
Certifier:	Jimmy Bailey
Certifier Title:	Not reported
Certification Date:	15-NOV-11
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	421867
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C362440
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/16/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/12/2016
Discharge Name:	T5 at Los Angeles LLC
Discharge Address:	3565 Piedmont Road Suite 318
Discharge City:	Atlanta
Discharge State:	Georgia
Discharge Zip:	30305
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	T5 LOS ANGELES DATA CENTER
Address:	444 NORTH NASH STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	T5 at Los Angeles LLC
Agency Address:	3565 Piedmont Road Suite 318, Atlanta, GA 30305
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C362440
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/16/2011
Termination Date:	05/12/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	0
Latitude:	33.91667
Longitude:	-118.38333

UNITED AIRLINES FLIGHT KITCHEN (Continued) **S103985741**

CERS:
Name: UNITED AIRLINE FLIGHT KITCHEN
Address: 444 NASH ST
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 218198
CERS ID: T0603704019
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: STEVE TSUMURA - EL SEGUNDO, CITY OF
Entity Title: Not reported
Affiliation Address: 314 MAIN STREET
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AA141 **UNITED AIRLINE FLIGHT KITCHEN** **CA LUST** **S102439619**
ESE **444 NASH ST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.424 mi.
2239 ft. **Site 2 of 2 in cluster AA**

Relative:
Lower

Actual:
102 ft.

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-12973
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704019
W Global ID: Not reported
Staff: UNK
Local Agency: 19013
Cross Street: EL SEGUNDO BLVD.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 12/17/1990
Date Leak First Reported: 1/23/1991
Date Leak Record Entered: 2/8/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 12/17/1990

UNITED AIRLINE FLIGHT KITCHEN (Continued) **S102439619**

Date Case Last Changed on Database:		6/30/1992
Date the Case was Closed:		7/25/1991
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	HARRISON, WALT	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6476.3069257802008242951636235
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		12/17/1990
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED AIRLINES	
RP Address:	6066 AVION DR., LOS ANGELES, 90045	
Program:	LUST	
Lat/Long:	33.9215296 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	OLD CASE #020891-13	

AB142 **PILLACK PROPERTY** **CA LUST** **S104916213**
SW **1410 GRAND AVE** **CA CERS** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90245**
0.483 mi.
2549 ft. **Site 1 of 3 in cluster AB**

Relative: **Higher**
Actual: **132 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-14091	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704135	
W Global ID:	W0607701254	
Staff:	UNK	

PILLACK PROPERTY (Continued) **S104916213**

Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		1/26/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		1/26/1990
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	UNOCAL - JIM SCOTT	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5591.98947487533417639747716
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RICHARD B. PILLACK	
RP Address:	4315 INGLEWOOD BOULEVARD, LOS ANGELES, 90066	
Program:	LUST	
Lat/Long:	34.0370135 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	3901254-001GEN	
Summary:	Not reported	

LUST:

Name:	PILLACK PROPERTY
Address:	1410 GRAND AVE
City,State,Zip:	EAST LOS ANGELES, CA 90245
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704135
Global Id:	T0603704135
Latitude:	34.0370135
Longitude:	-118.2652686
Status:	Completed - Case Closed

PILLACK PROPERTY (Continued) **S104916213**

Status Date: 01/26/1990
Case Worker: JOA
RB Case Number: I-14091
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704135
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704135
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704135
Action Type: Other
Date: 01/26/1990
Action: Leak Reported

LUST:
Global Id: T0603704135
Status: Completed - Case Closed
Status Date: 01/26/1990

Global Id: T0603704135
Status: Open - Case Begin Date
Status Date: 01/26/1990

CERS:
Name: PILLACK PROPERTY
Address: 1410 GRAND AVE
City,State,Zip: EAST LOS ANGELES, CA 90245
Site ID: 220959
CERS ID: T0603704135
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported

PILLACK PROPERTY (Continued) **S104916213**

Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

AB143 **PILLACK PROPERTY** **CA HIST CORTESE** **S105023636**
SW **1410 GRAND** **N/A**
1/4-1/2 **EL SEGUNDO, CA**
0.483 mi.
2549 ft. **Site 2 of 3 in cluster AB**

Relative:
Higher

Actual:
132 ft.

HIST CORTESE:

edr_fname:	PILLACK PROPERTY
edr_fadd1:	1410 GRAND
City,State,Zip:	EL SEGUNDO, CA
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14091

AC144 **INTERNATIONAL RECTIFIER CORP** **CA ENVIROSTOR** **U002287919**
SSW **233 KANSAS ST** **CA LUST** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245** **CA CPS-SLIC**
0.494 mi. **CA HIST CORTESE**
2606 ft. **Site 1 of 2 in cluster AC** **CA LOS ANGELES CO. HMS**
CA NPDES

Relative:
Higher

CA WDS
CA CIWQS

Actual:
122 ft.

CA CERS

ENVIROSTOR:

Name:	INTERNATIONAL RECTIFIER
Address:	233 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19360533
Status:	Refer: RWQCB
Status Date:	07/19/2018
Site Code:	300569
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	1.85
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Sayareh Amirebrahimi
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91866
Longitude: -118.4007
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * ACID SOLUTION WITHOUT METALS * UNSPECIFIED ACID SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: INTERNATIONAL RECTIFIER
Alias Type: Alternate Name
Alias Name: CAD076208313
Alias Type: EPA Identification Number
Alias Name: 110000474479
Alias Type: EPA (FRS #)
Alias Name: 300569
Alias Type: Project Code (Site Code)
Alias Name: 19360533
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/24/1996
Comments: Preliminary Assessment completed under U.S. EPA grant. Site is no further assessment for U.S. EPA. However, DTSC requires a Preliminary Endangerment Assessment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/25/1995
Comments: The Department received a hazardous substace release report. The site had a waste leak from a plating line and acidic aqueous waste left metal contamination in the soil. Due to evidence of contamination, the Department recommends a PEA. The Department notified the RP that a PEA be conducted.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-15781	
Status:	Preliminary site assessment underway	
Substance:	Solvents	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704349	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19013	
Cross Street:	GRAND AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	6/29/1990	
Date Leak First Reported:		7/25/1990
Date Leak Record Entered:	9/26/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	6/29/1990	
Date Case Last Changed on Database:		5/2/1994
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	NASSIF, GERALD	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		8464.971975309280812962810462
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		7/25/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	INTERNATIONAL RECTIFIER CORP.	
RP Address:	233 KANSAS ST., EL SEGUNDO, 90245	
Program:	SLIC	
Lat/Long:	33.9182275 / -1	
Local Agency Staff:	SHT	
Beneficial Use:	Not reported	
Priority:	LOP/LOW - MINOR OR NO POTENTIAL WATER RESOURCE IMPACT	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Assigned Name: Not reported
Summary: file missing, transfered from MSH to RI

CPS-SLIC:
Name: INTERNATIONAL RECTIFIER CORP.
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 02/27/1997
Global Id: SL184571440
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.917719
Longitude: -118.399635
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0608
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:
edr_fname: INTERNATIONAL RECTIFIER C
edr_fadd1: 233 KANSAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-15781

LOS ANGELES CO. HMS:
Name: INTERNATIONAL RECTIFIER
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
Region: LA
Permit Category: T
Facility Id: 014941-015781
Facility Type: 1
Facility Status: Closed
Area: 2N
Permit Number: 000167695
Permit Status: Closed

NPDES:
Name: INT RECTIFIER CORP EL SEGUNDO
Address: 233 KANSAS ST
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I001141
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	07/15/2015
Operator Name:	International Rectifier
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188760
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I001141
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/09/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992
Status:	Terminated
Status Date:	07/15/2015
Place Size:	10
Place Size Unit:	Acres
Contact:	Ro Gunetilleke
Contact Title:	Site Services Manager
Contact Phone:	310-726-8974
Contact Phone Ext:	Not reported
Contact Email:	rguneti1@irf.com
Operator Name:	International Rectifier
Operator Address:	101 N Sepulveda Blvd
Operator City:	El Segundo

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Operator State:	California
Operator Zip:	90245
Operator Contact:	Ro Gunetilleke
Operator Contact Title:	Site Services Manager
Operator Contact Phone:	310-726-8974
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rguneti1@irf.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-345-6225
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	GORDON PEILTE
Certifier Title:	EHS MANAGER
Certification Date:	16-JUN-15
Primary Sic:	3674-Semiconductors and Related Devices
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	INT RECTIFIEREL SEGUNDO
Address:	233 Kansas St
City:	EL SEGUNDO
Facility ID:	4 19I001141
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3107268283
Facility Contact:	CYNTHIA VELEZ
Agency Name:	INT RECTIFIER CORP
Agency Address:	233 Kansas St
Agency City,St,Zip:	El Segundo 902454316
Agency Contact:	CORPORATION
Agency Telephone:	3103223331
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	INT RECTIFIER CORP EL SEGUNDO
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	International Rectifier
Agency Address:	101 N Sepulveda Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Semiconductors and Related Devices
SIC/NAICS:	3674
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I001141
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/25/1992
Termination Date:	10/09/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91846
Longitude:	-118.40049

CERS:

Name:	INFINEON TECHNOLOGIES AMERICAS CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	38397
CERS ID:	90245NTRNT233KA
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Parent Company
Entity Name:	INTERNATIONAL RECTIFIER CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Company Official
Entity Name:	Amy Kim
Entity Title:	EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	Not reported

Affiliation Type Desc:	Technical Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3107268727

Affiliation Type Desc:	Public Contact
Entity Name:	Amy Kim
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90245
Affiliation Phone:	3107268727

INTERNATIONAL RECTIFIER CORP (Continued) **U002287919**

Name:	INTERNATIONAL RECTIFIER CORP.
Address:	233 KANSAS ST
City,State,Zip:	EL SEGUNDO, CA
Site ID:	215151
CERS ID:	SL184571440
CERS Description:	Cleanup Program Site

AC145 **INTERNATIONAL RECTIFIER CORP.** **CA CPS-SLIC** **1005976343**
SSW **233 KANSAS** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.494 mi.
2606 ft. **Site 2 of 2 in cluster AC**

Relative: **Higher**
Actual: **122 ft.**

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0608
Substance:	Not reported
Staff:	PR

AB146 **INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIE** **CA ENVIROSTOR** **S122495084**
SW **270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 33** **CA VCP** **N/A**
1/4-1/2 **EL SEGUNDO, CA 90245**
0.494 mi.
2607 ft. **Site 3 of 3 in cluster AB**

Relative: **Higher**
Actual: **132 ft.**

ENVIROSTOR:

Name:	INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
Address:	270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002691
Status:	Active
Status Date:	07/19/2018
Site Code:	301834
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	5.1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Patrick Movlay
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	, 62
Senate:	, 26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91869
Longitude:	-118.4007
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, SV, UE

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 60002691
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 07/19/2018
Comments: Water contacted to request lead agency decision. DTSC is lead agency

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/21/2018
Comments: Phase I has been completed, DTSS is currently reviewing Phase II

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 11/04/2018
Comments: No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/15/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/03/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Schedule Due Date: 02/10/2020
Schedule Revised Date: Not reported

VCP:
Name: INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER)
Address: 270 CALIFORNIA, 1413 E FRANKLIN,1420 & 1521 E GRAND, 233, 330, 340 & 348 KANSAS STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002691
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5.1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Patrick Movlay
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 301834
Assembly: , 62
Senate: , 26
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 07/19/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91869 / -118.4007
APN: NONE SPECIFIED
Past Use: MANUFACTURING - ELECTRONIC, UNDERGROUND STORAGE TANKS
Potential COC: 30022, 30027
Confirmed COC: 30022,30027
Potential Description: SOIL, SV, UE
Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 301834
Alias Type: Project Code (Site Code)
Alias Name: 60002691
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 07/19/2018
Comments: Water contacted to request lead agency decision. DTSC is lead agency

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/21/2018
Comments: Phase I has been completed, DTSS is currently reviewing Phase II

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2018

INFINEON PROPERTIES (FORMER INTERNATIONAL RECTIFIER) (Continued) **S122495084**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	06/13/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	11/04/2018
Comments:	No Response from the EJ Tribal Unit Regarding this Project within the give 30 day period
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	08/15/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/03/2018
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	02/10/2020
Schedule Revised Date:	Not reported

147
ESE
1/2-1
0.522 mi.
2757 ft.

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
400 DULEY ROAD
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108197287**
CA VCP **N/A**
CA NPDES
CA CIWQS

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Name:	FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60000905
Status:	No Further Action
Status Date:	01/07/2014
Site Code:	301386
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	3.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.92215
Longitude:	-118.3852
APN:	NONE SPECIFIED
Past Use:	AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Lead Polychlorinated biphenyls (PCBs 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Polychlorinated biphenyls (PCBs Lead
Potential Description:	CSS, SOIL
Alias Name:	301386
Alias Type:	Project Code (Site Code)
Alias Name:	60000905
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	03/05/2012
Comments:	DTSC issued certification letter
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/19/2012
Comments:	CRU Memo dated 4/23/2012 Sent
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	04/28/2008
Comments:	VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	01/22/2009
Comments:	Document reviewed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	02/22/2009
Comments:	Document reviewed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 04/28/2009
Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: FORMER NORTH AMERICAN TRISONIC WIND TUNNEL
Address: 400 DULEY ROAD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60000905
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301386
Assembly: 62
Senate: 26
Special Programs Code: Voluntary Cleanup Program
Status: No Further Action
Status Date: 01/07/2014
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.92215 / -118.3852
APN: NONE SPECIFIED
Past Use: AEROSPACE ROCKET TESTING/LAUNCH, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: 30013, 30018, 30026, 30027
Confirmed COC: 30018,30013
Potential Description: CSS, SOIL

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Alias Name: 301386
Alias Type: Project Code (Site Code)
Alias Name: 60000905
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/05/2012
Comments: DTSC issued certification letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2012
Comments: CRU Memo dated 4/23/2012 Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 04/28/2008
Comments: VCA signed for oversight during building demolition and soil remediation, if necessary. "No Further Action Letter" to be prepared at successful completion of project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/22/2009
Comments: Document reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 04/22/2010
Comments: Report approved verbally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/28/2009
Comments: Sampling plan to determine below basement and exterior areas extent of contamination approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/10/2009
Comments: Fieldwork for additional soil sampling completed.

Completed Area Name: PROJECT WIDE

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/01/2009
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2011
Comments: Demolition of surface structures has been completed. Additional demolition of deeper foundation structures is in progress.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/31/2010
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/05/2012
Comments: DTSC issued Certification of Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Demolition completed, confirmation sampling completed and contaminated soil removed and shipped off site. Completion report expected soon.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/05/2012
Comments: DTSC issued certification letter for Removal Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 03/27/2012
Comments: Letter sent on 3/20/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 04/28/2009
Comments: Document reviewed and comments sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2011
Comments: Letter sent to proponent on 10/12/2011

Future Area Name: Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:
Name: 400 DULEY ROAD
Address: 400 DULEY ROAD
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Terminated
NPDES Number: CAS000002
Region: 4
Agency Number: 0
Regulatory Measure ID: 459798
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 4 19C373651
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/07/2015
Termination Date Of Regulatory Measure: 08/28/2018
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 2121 Rosecrans Avenue
Discharge Name: 400 Duley Road Property LLC
Discharge City: El Segundo
Discharge State: California
Discharge Zip: 90245
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:
NPDES Number: CAS000002
Status: Active
Agency Number: 0
Region: 4
Regulatory Measure ID: 459798
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 4 19C373651
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/07/2015
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: 400 Duley Road Property LLC
Discharge Address: 2121 Rosecrans Avenue

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015
Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC
Developer Address:	2121 Rosecrans Avenue
Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C373651
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/24/2018
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Regulatory Measure ID:	459798
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	400 Duley Road Property LLC
Discharge Address:	2121 Rosecrans Avenue
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	459798
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C373651
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/06/2015
Processed Date:	08/07/2015
Status:	Active
Status Date:	08/07/2015
Place Size:	3.42
Place Size Unit:	Acres
Contact:	Greg Geiger
Contact Title:	Not reported
Contact Phone:	310-294-1234
Contact Phone Ext:	Not reported
Contact Email:	jan@live-oak-properties.com
Operator Name:	400 Duley Road Property LLC
Operator Address:	2121 Rosecrans Avenue
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Greg Geiger
Operator Contact Title:	Not reported
Operator Contact Phone:	310-294-1234
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	jan@live-oak-properties.com
Operator Type:	Private Business
Developer:	400 Duley Road Property LLC

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

Developer Address:	2121 Rosecrans Avenue
Developer City:	El Segundo
Developer State:	California
Developer Zip:	90245
Developer Contact:	Greg Geiger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Greg Geiger
Certifier Title:	Managing Partner
Certification Date:	06-AUG-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	400 DULEY ROAD
Address:	400 DULEY ROAD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	400 Duley Road Property LLC
Agency Address:	2121 Rosecrans Avenue Suite 4325, El Segundo, CA 90245
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C373651
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/07/2015
Termination Date:	08/28/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported

FORMER NORTH AMERICAN TRISONIC WIND TUNNEL (Continued) **S108197287**

TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.923135
Longitude:	-118.384852

148
NE
1/2-1
0.528 mi.
2788 ft.

NORTH AMERICAN AIRCRAFT **CA ENVIROSTOR** **S107736912**
N/A

INGLEWOOD, CA

Relative:
Lower

Actual:
101 ft.

ENVIROSTOR:

Name:	NORTH AMERICAN AIRCRAFT
Address:	Not reported
City,State,Zip:	INGLEWOOD, CA
Facility ID:	80000838
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.92916
Longitude:	-118.3888
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F995900
Alias Type:	Federal Facility ID
Alias Name:	J09CA7136
Alias Type:	INPR
Alias Name:	80000838
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: NORTH AMERICAN AIRCRAFT
Address: Not reported
City,State,Zip: INGLEWOOD, CA
Facility ID: 80000839
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.93111
Longitude: -118.3875
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996000
Alias Type: Federal Facility ID
Alias Name: J09CA7137
Alias Type: INPR
Alias Name: 80000839
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 10/07/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

NORTH AMERICAN AIRCRAFT (Continued) **S107736912**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

149
SW
1/2-1
0.597 mi.
3150 ft.

1330 EAST FRANKLIN AVENUE
1330 EAST FRANKLIN AVENUE
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S118757325**
CA VCP **N/A**

Relative:
Higher

Actual:
132 ft.

ENVIROSTOR:

Name:	1330 EAST FRANKLIN AVENUE
Address:	1330 EAST FRANKLIN AVENUE
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60002376
Status:	Active
Status Date:	06/15/2016
Site Code:	301760
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.33
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	, 62
Senate:	, 26
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91764
Longitude:	-118.4014
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301760
Alias Type:	Project Code (Site Code)
Alias Name:	60002376
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/06/2016
Comments:	FA determination. Determination called for SSI WP within 30 days.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/18/2017
Comments: Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/19/2016
Comments: DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/23/2017
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	10/25/2016
Comments:	DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	11/02/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	03/17/2017
Comments:	FA warranted, SSI following shutdown.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	02/21/2017
Comments:	Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/09/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/23/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/07/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/06/2017
Comments:	This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Date: 10/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/14/2019
Comments: Minutes will be incorporated into final Data Gap Investigation Report

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 07/13/2019
Schedule Revised Date: 05/11/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Participation Plan / Community Relations Plan
Schedule Due Date: 08/05/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 07/24/2019
Schedule Revised Date: Not reported

VCP:
Name: 1330 EAST FRANKLIN AVENUE
Address: 1330 EAST FRANKLIN AVENUE
City,State,Zip: EL SEGUNDO, CA 90245

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Facility ID:	60002376
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.33
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301760
Assembly:	, 62
Senate:	, 26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	06/15/2016
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91764 / -118.4014
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	301760
Alias Type:	Project Code (Site Code)
Alias Name:	60002376
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/06/2016
Comments:	FA determination. Determination called for SSI WP within 30 days.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	10/06/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/18/2017
Comments:	Document found acceptable for purposes for moving forward. Anderson made corrections to the reports that constituted the PEAE and agreed to further investigation. They maintain that the SVE should continue to operate although site characterization is incomplete and a remedy selection document has not been prepared. DTSC intends to address outstanding data gaps and discrepencies in a forthcoming SSI scoping meeting.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/19/2016
Comments: DTSC acknowledged receipt of document and consultant moving forward before DTSC can review and comment on the workplan and proposed SOW. DTSC recommended a scoping before moving forward.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/23/2017
Comments: VCA signed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/06/2016
Comments: PEA required determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/07/2016
Comments: GSU comments forwarded to consultant via email. GW quality poor and GSU recommend redeveloping wells and sampling for 4 quarters. Figures in report require revision.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/25/2016
Comments: DTSC issued comments proposing a revised approach for consultant consideration Consultant acknowledged receipt of our comments but not likely to revise WP as sampling was already completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2016
Comments: Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	03/17/2017
Comments:	FA warranted, SSI following shutdown.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	02/21/2017
Comments:	Roux submitted response to comments and intends to fill IAQ report data gaps in future sampling events. IAQ report not revised further. DTSC determination of FA determination in the comment letter stands.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/09/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/23/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	04/07/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/06/2017
Comments:	This Document for reference purposes only. Additional information provided in this document will be incorporated into the Data Gap Investigation Work Plan

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	10/03/2017
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	07/17/2019
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	10/18/2018
Comments:	Not reported

1330 EAST FRANKLIN AVENUE (Continued) **S118757325**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	03/05/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	07/11/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	05/14/2019
Comments:	Minutes will be incorporated into final Data Gap Investigation Report
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Workplan
Schedule Due Date:	07/13/2019
Schedule Revised Date:	05/11/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Public Participation Plan / Community Relations Plan
Schedule Due Date:	08/05/2019
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	CEQA - Notice of Exemption
Schedule Due Date:	07/24/2019
Schedule Revised Date:	Not reported

AD150 **SPERRY GYROSCOPE CORP.** **FUDS** **1024903906**
NE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.603 mi.
3184 ft. **Site 1 of 2 in cluster AD**

Relative: FUDS:
Lower

Actual:
100 ft.

EPA Region:	9
Installation ID:	CA99799F996300
Congressional District Number:	43
Facility Name:	SPERRY GYROSCOPE CORP.
FUDS Number:	J09CA7140
City:	EL SEGUNDO
State:	CA
County:	LOS ANGELES
Telephone:	213-452-3920
USACE Division:	South Pacific Division (SPD)
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Private Sector

SPERRY GYROSCOPE CORP. (Continued) **1024903906**

X Coord: -118.38666667003
Y Coord: 33.931944439585003
Latitude: 33.931944440000002
Longitude: -118.38666667

AD151 **SPERRY GYROSCOPE CORP** **CA ENVIROSTOR** **S107737396**
NE **N/A**
1/2-1 **EL SEGUNDO, CA**
0.605 mi.
3195 ft. **Site 2 of 2 in cluster AD**

Relative: **Lower**
Actual: **100 ft.**

ENVIROSTOR:
Name: SPERRY GYROSCOPE CORP
Address: Not reported
City,State,Zip: EL SEGUNDO, CA
Facility ID: 80000842
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.93194
Longitude: -118.3866
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F996300
Alias Type: Federal Facility ID
Alias Name: J09CA7140
Alias Type: INPR
Alias Name: 80000842
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

SPERRY GYROSCOPE CORP (Continued) **S107737396**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AE152 **WISEBURN HIGH SCHOOL - CAMPUS** **CA ENVIROSTOR** **S101296159**
East **827 NORTH DOUGLAS STREET** **CA CPS-SLIC** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA SCH**
0.608 mi. **CA HIST CORTESE**
3211 ft. **Site 1 of 3 in cluster AE** **CA CERS**

Relative: **Lower**
Actual: **103 ft.**

ENVIROSTOR:

Name:	WISEBURN HIGH SCHOOL - CAMPUS
Address:	827 NORTH DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001621
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Site Code:	304639
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene Lead Methane Naturally Occurring Asbestos (NOA Polychlorinated biphenyls (PCBs TPH-diesel
Confirmed COC:	30003-NO 30013-NO 30015-NO 30024-NO 40002-NO 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/01/1998
Global Id: SL204741664
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.927493
Longitude: -118.382285
Case Type: Cleanup Program Site

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0577
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SCH:

Name:	WISEBURN HIGH SCHOOL - CAMPUS
Address:	827 NORTH DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001621
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rana Georges
Supervisor:	Thomas Cota
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304639
Assembly:	62
Senate:	26
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	10/11/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.92286
Longitude:	-118.3832
APN:	4138-030-009, 4138-030-010, 4138-030-011, 4138-030-012, 4138-030-013, 4138-030-014, 4138-030-015, 4138-030-023, 4138-030-024, 4138-030-025
Past Use:	AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC:	Benzene, Lead, Methane, Naturally Occurring Asbestos (NOA), Polychlorinated biphenyls (PCBs, TPH-diesel
Confirmed COC:	30003-NO, 30013-NO, 30015-NO, 30024-NO, 40002-NO, 30018-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	4138-030-009
Alias Type:	APN
Alias Name:	4138-030-010
Alias Type:	APN
Alias Name:	4138-030-011
Alias Type:	APN
Alias Name:	4138-030-012
Alias Type:	APN
Alias Name:	4138-030-013
Alias Type:	APN
Alias Name:	4138-030-014
Alias Type:	APN
Alias Name:	4138-030-015

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Alias Type: APN
Alias Name: 4138-030-023
Alias Type: APN
Alias Name: 4138-030-024
Alias Type: APN
Alias Name: 4138-030-025
Alias Type: APN
Alias Name: 304639
Alias Type: Project Code (Site Code)
Alias Name: 60001621
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/13/2012
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/30/2012
Comments: DTSC approved the PEA Workplan. Response to comments were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2012
Comments: CRU Memo issued to close out the site. EOA terminated prior to implementing PEA sampling activities. District decided to persue a more suitable location for the development of the proposed school site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
edr_fname: ROCKWELL INTERNATIONAL CO
edr_fadd1: 827 DOUGLAS
City,State,Zip: EL SEGUNDO, CA 90245
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09539

CERS:
Name: ROCKWELL INTERNATIONAL CORP.
Address: 827 NORTH DOUGLAS ST
City,State,Zip: EL SEGUNDO, CA

WISEBURN HIGH SCHOOL - CAMPUS (Continued) **S101296159**

Site ID: 234447
CERS ID: SL204741664
CERS Description: Cleanup Program Site

AE153 **ROCKWELL INTL CORP EL SEGUNDO** **CORRACTS** **1015757279**
East **827 N DOUGLAS ST** **RCRA-TSDF** **CAD097855126**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-SQG**
0.608 mi. **PADS**
3211 ft. **Site 2 of 3 in cluster AE** **NY MANIFEST**

Relative:
Lower

Actual:
103 ft.

CORRACTS:
EPA ID: CAD097855126
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1994-05-30 00:00:00.0
Action: CA050 - RFA Completed
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: 1994-05-30 00:00:00.0
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1996-09-01 00:00:00.0
Site name: ROCKWELL INTERNATIONAL
Classification: Small Quantity Generator

Date form received by agency: 1994-03-23 00:00:00.0
Site name: ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-25 00:00:00.0
Site name: ROCKWELL INTL CORP/EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 1990-04-13 00:00:00.0
Site name: ROCKWELL INTERNATIONAL CORPEL SEG
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: ROCKWELL INTERNATIONAL
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 1993-11-04 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 1993-12-03 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Event date: 1994-05-30 00:00:00.0
Event: RFA COMPLETED

Event date: Not reported
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1990-11-28 00:00:00.0
Date achieved compliance: 1992-12-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-01-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 1994-04-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1990-11-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1992-12-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1986-09-05 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1986-09-05 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1986-08-04 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-02-14 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-02-14 00:00:00.0
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1985-01-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-SQG:
Date form received by agency: 1996-09-01 00:00:00.0
Facility name: ROCKWELL INTERNATIONAL
Facility address: 815 LAPHAM ST
EL SEGUNDO, CA 90245
EPA ID: CAD097855126
Mailing address: P O BOX 92098
LOS ANGELES, CA 90009
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ROCKWELL INTERNATIONAL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1996-09-01 00:00:00.0
Site name: ROCKWELL INTERNATIONAL
Classification: Small Quantity Generator

Date form received by agency: 1994-03-23 00:00:00.0
Site name: ROCKWELL INTERNATIONAL CORP, EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 1992-02-25 00:00:00.0
Site name: ROCKWELL INTL CORP/EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 1990-04-13 00:00:00.0
Site name: ROCKWELL INTERNATIONAL CORPEL SEG
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: ROCKWELL INTERNATIONAL
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 1993-11-04 00:00:00.0
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 1993-12-03 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1994-05-30 00:00:00.0
Event: RFA COMPLETED

Event date: Not reported
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 1990-11-28 00:00:00.0
- Date achieved compliance: 1992-12-04 00:00:00.0
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 1991-01-10 00:00:00.0
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 1994-04-26 00:00:00.0
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

- Evaluation date: 1990-11-28 00:00:00.0
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Generators - General
- Date achieved compliance: 1992-12-04 00:00:00.0
- Evaluation lead agency: State

- Evaluation date: 1986-09-05 00:00:00.0
- Evaluation: FINANCIAL RECORD REVIEW
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

- Evaluation date: 1986-09-05 00:00:00.0
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

- Evaluation date: 1986-08-04 00:00:00.0
- Evaluation: FINANCIAL RECORD REVIEW
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

- Evaluation date: 1985-02-14 00:00:00.0
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State

- Evaluation date: 1985-02-14 00:00:00.0
- Evaluation: NON-FINANCIAL RECORD REVIEW
- Area of violation: Not reported
- Date achieved compliance: Not reported

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Evaluation lead agency: State

Evaluation date: 1985-01-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PADS:
EPAID: CAD097855126
Facility name: ROCKWELL INTL CORP EL SEGUNDO
Facility Address: 827 N DOUGLAS ST
EL SEGUNDO, CA 90245
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: ROCKWELL INTL CORP (NAA)
Contact title: Not reported
Contact name: RICHARD S SHE
Contact tel: 213-647-2828
Contact extension: Not reported
Contact Email: Not reported
Mailing address: PO BOX 92098
LOS ANGELES, CA 90009
Mailing country: US
Cert. date: 03/28/1990

NY MANIFEST:
Name: ROCKWELL INTERNATIONAL
Address: 815 LAPHAM ST
City,State,Zip: EL SEGUNDO, CA 90245
Country: USA
EPA ID: CAD097855126
Facility Status: Not reported
Location Address 1: P O BOX 92098
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: LOS ANGELES
Location State: CA
Location Zip: 90009
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD097855126
Mailing Name: ROCKWELL INTERNATIONAL
Mailing Contact: JOHN WISKOSKI II
Mailing Address 1: P O BOX 92098
Mailing Address 2: Not reported
Mailing City: LOS ANGELES
Mailing State: CA
Mailing Zip: 90009
Mailing Zip 4: Not reported
Mailing Country: USA

ROCKWELL INTL CORP EL SEGUNDO (Continued) **1015757279**

Mailing Phone: 3106472271

NY MANIFEST:

Document ID:	NYB2436678
Manifest Status:	K
seq:	Not reported
Year:	1992
Trans1 State ID:	306432
Trans2 State ID:	11343P
Generator Ship Date:	03/09/1992
Trans1 Recv Date:	03/09/1992
Trans2 Recv Date:	03/12/1992
TSD Site Recv Date:	03/25/1992
Part A Recv Date:	04/06/1992
Part B Recv Date:	04/22/1992
Generator EPA ID:	CAD097855126
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	U135 - HYDROGEN SULFIDE
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00034
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

AE154 **ROCKWELL INT'L CORP/EL SEGUNDO** **CA ENVIROSTOR** **S100943688**
East **827 N DOUGLAS** **CA HWP** **N/A**
1/2-1 **EL SEGUNDO, CA 90009**
0.608 mi.
3211 ft. **Site 3 of 3 in cluster AE**

Relative: **Lower**
Actual: **103 ft.**

ENVIROSTOR:

Name:	ROCKWELL INT'L CORP/EL SEGUNDO
Address:	827 N DOUGLAS
City,State,Zip:	EL SEGUNDO, CA 900090000
Facility ID:	80001734
Status:	No Further Action
Status Date:	06/19/2013
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Katherine Gould
Supervisor:	* James Pappas
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.92766
Longitude:	-118.3832
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD097855126
Alias Type:	EPA Identification Number
Alias Name:	80001734
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/02/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	05/30/1994
Comments:	CAD 093 365 435 - SSFL Area I/III Boeing, CA1 800 090 010 - SSFL Area II NASA and Boeing, CAD 000 629 972 - SSFL Area IV USDOE and Boeing, CA3 890 090 001 - SSFL Area IV USDOE-ETEC, Instrument: Consent Order for CA. LA 9/11/08
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Completed Date: 05/30/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/04/1993
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
Name: ROCKWELL INT'L CORP/EL SEGUNDO
Address: 827 N DOUGLAS
City,State,Zip: EL SEGUNDO, CA 900090000
EPA Id: CAD097855126
Cleanup Status: CLOSED
Latitude: 33.92766
Longitude: -118.3832
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1988

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/01/1989

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 08/15/1983

EPA Id: CAD097855126

ROCKWELL INT'L CORP/EL SEGUNDO (Continued) **S100943688**

Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 05/02/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/18/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 07/25/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/22/1983

EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1983

Closure:
EPA Id: CAD097855126
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 07/15/1994

AF155 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **CA SWEEPS UST** **1000240981**
SSE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA HAZNET**
0.613 mi. **CA ICE**
3238 ft. **Site 1 of 3 in cluster AF** **CA HWP**

Relative: Higher
Actual: 129 ft.

SWEEPS UST:
Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000001
Tank Status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: 12

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000007
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000041
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000042
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000043
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000044
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000045
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Not reported
Comp Number: 10917
Number: Not reported
Board Of Equalization: 44-009072
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000046
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000002
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 34

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000008
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000009
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000010
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000011
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000012
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000013
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000014
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000015

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000016
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000017
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000018
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000019
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000020
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000021
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000022
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000023
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000025
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000026
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000027
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000028
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000029
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000030
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000031
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000032
Tank Status: A
Capacity: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000033
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000034
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

SWRCB Tank Id: 19-000-010917-000035
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000036
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000037
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000038
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000039
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: HUGHES AIRCRAFT CO EDSG
Address: 2000 E EL SEGUNDO BLVD
City: EL SEGUNDO
Status: Active
Comp Number: 10917
Number: 1
Board Of Equalization: 44-009072
Referral Date: 05-30-90
Action Date: 05-30-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010917-000040
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

CHMIRS:
Name: Not reported
Address: 2000 EAST EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
OES Incident Number: 08-8955

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

OES notification:	12/16/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1420
Year:	2008
Agency:	Ratheon Company
Incident Date:	12/16/2008
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Storm drain
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP advised his agency found an abandoned container with approximately 5 gallons of motor oil or crank oil in their parking lot.
Name:	Not reported
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
OES Incident Number:	10-5897
OES notification:	09/30/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1010
Year:	2010
Agency:	Raytheon
Incident Date:	9/30/2010
Admin Agency:	El Segundo Fire Department

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A leaking fuel return line from an underground storage tank system.

HAZNET:

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAH111001444
Contact:	LISA SCALES
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 90601
Gen County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County:	99
Tons:	1
CA Waste Code:	612-
Method:	H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	Los Angeles

Name:	RAYTHEON CO (LOT F)
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Year:	2017
GEPAID:	CAH111001444
Contact:	LISA SCALES
Telephone:	5629084288
Mailing Name:	Not reported
Mailing Address:	1955 WORKMAN MILL RD
Mailing City,St,Zip:	WHITTIER, CA 90601
Gen County:	Los Angeles
TSD EPA ID:	NVD980895338
TSD County:	99

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Tons: 0.2875
CA Waste Code: 612-Household waste
Method: H121-Neutralization Only
Facility County: Los Angeles

Name: RAYTHEON CO (LOT F)
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAH111001444
Contact: LISA SCALES
Telephone: 5629084288
Mailing Name: Not reported
Mailing Address: 1955 WORKMAN MILL RD
Mailing City,St,Zip: WHITTIER, CA 90601
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Tons: 0.7975
CA Waste Code: 612-Household waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: RAYTHEON CO (LOT F)
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Year: 2017
GEPAID: CAH111001444
Contact: LISA SCALES
Telephone: 5629084288
Mailing Name: Not reported
Mailing Address: 1955 WORKMAN MILL RD
Mailing City,St,Zip: WHITTIER, CA 90601
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Tons: 0.3385
CA Waste Code: 612-Household waste
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

ICE:
Envirostor ID: 3000609
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/18/2002

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Date: 11/20/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 11/03/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 03/08/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/28/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/17/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 08/29/2012
Violation Class: No Violations

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/10/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/21/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/24/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/23/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/27/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/22/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/28/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 04/27/2000
Violation Class: Class 1, Minor
RTC Date: 09/06/2002

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/18/2007
Violation Class: No Violations
RTC Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/18/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: No Violations
RTC Date: Not reported

HWP:
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
EPA Id: CAD000633230
Cleanup Status: UNDERGOING CLOSURE
Latitude: 33.91419
Longitude: -118.3892
Facility Type: Historical - Non-Operating
Facility Size: Small Storage
Team: MUZHDA FEROUZ
Supervisor: PARAMPREET BHATTI
Site Code: 300331
Assembly District: 62
Senate District: 26
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL CEQA
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION
Actual Date: 06/08/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/18/1980

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 04/06/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/30/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/29/1983

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 12/24/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 01/28/1997

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 10/06/2015

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 06/12/1990

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 10/01/2007

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 03/10/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 06/22/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/07/1983

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/22/1995

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 08/17/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/1994

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA DOC FOR PUBLIC REVIEW
Actual Date: 11/19/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 01/27/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL COMPLETE LETTER
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - TECHNICAL REVIEW COMPLETED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/09/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 09/12/2007

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 12/05/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 03/28/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/28/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 11/27/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - DRAFT CEQA TO OPEA
Actual Date: 10/25/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 07/29/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 06/14/1996

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 06/28/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 04/26/1985

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 08/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 10/12/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 11/08/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date: 10/22/2013

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/31/2006

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 10/08/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 08/17/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 08/06/2007

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/08/2017

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 06/28/1990

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 11/14/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 03/23/2018

Closure:

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - DRAFT CEQA
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 09/28/2018

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 09/30/2016

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - FINAL CEQA
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/18/2019

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1000240981**

Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: Not reported

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN REQUESTED
Actual Date: 01/26/2017

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CEQA DETERMINATION
Actual Date: Not reported

Alias:
EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110018947826

EPA Id: CAD000633230
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: 300331

Maintenance:
EPA Id: CAD000633230
Title: 2016 Waste Minimization Certification for Raytheon Company
Document Type: Certification Documents from Facility
Received Date: 04/04/2017

EPA Id: CAD000633230
Title: Reassignment of DTSC Project Manager
Document Type: Correspondence
Received Date: 01/25/2017

AF156 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **CA ENVIROSTOR** **1008152328**
SSE **2000 E EL SEGUNDO BLVD** **CA CHMIRS** **N/A**
1/2-1 **EL SEGUNDO, CA 90245** **CA NPDES**
0.613 mi. **CA CIWQS**
3238 ft. **Site 2 of 3 in cluster AF** **CA CERS**

Relative: Higher
Actual: 129 ft.

ENVIROSTOR:
Name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Address: 2000 E EL SEGUNDO BLVD
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 80001335
Status: Active
Status Date: 01/01/2008
Site Code: 300331
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0.85
NPL: NO

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Richard Allen
Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.91419
Longitude: -118.3892
APN: NONE SPECIFIED
Past Use: AEROSPACE MANUFACTURING/MAINTENANCE
Potential COC: 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC: 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description: SOIL
Alias Name: CAD000633230
Alias Type: EPA Identification Number
Alias Name: 110018947826
Alias Type: EPA (FRS #)
Alias Name: 300331
Alias Type: Project Code (Site Code)
Alias Name: 80001335
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/17/2013
Comments: complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/26/2017
Comments: DONE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/25/2018
Comments: completed and sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 12/20/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2017
Comments: Schedule is not longer valid. New date to receive submittal is 4/28/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/12/2017
Comments: moved to Sacramento

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 03/16/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/24/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 12/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/22/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/07/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/18/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/17/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/28/2012
Comments: conditional appoval, field work to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/25/2013
Comments: field work begun

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 12/05/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan Addendum
Completed Date: 10/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/07/2014
Comments: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/27/2016
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Community Profile
Schedule Due Date: 01/14/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Corrective Measures Study Report
Schedule Due Date: 07/31/2019
Schedule Revised Date: 02/26/2020
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Fact Sheets
Schedule Due Date: 02/14/2020
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 12/25/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Groundwater Migration Controlled
Schedule Due Date: 03/15/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Construction Complete
Schedule Due Date: 12/04/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Selection and Statement of Basis
Schedule Due Date: 06/15/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 03/31/2020
Schedule Revised Date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

CHMIRS:

Name:	Not reported
Address:	2000 E. EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA
OES Incident Number:	1-2235
OES notification:	04/07/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Raytheon Company
Incident Date:	3/22/2011
Admin Agency:	El Segundo Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Antimony
Quantity Released:	39
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	HISTORIC REPORT: The caller is reporting that antimony (a soft metal) was in a load of debris sent to a landfill. The caller stated that the amount of antimony was well below the federal reportable quantity.

NPDES:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I021413
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/16/2008
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008
Place Size:	143
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	339622
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I021413
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2000 E El Segundo Blvd
Discharge Name:	Raytheon Co
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	339622
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/16/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Raytheon Co
Discharge Address:	2000 E El Segundo Blvd
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	339622
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I021413
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	01/16/2008
Status:	Active
Status Date:	01/16/2008
Place Size:	143
Place Size Unit:	Acres
Contact:	Glenn Portillo
Contact Title:	EHS Engineer
Contact Phone:	310-647-9451
Contact Phone Ext:	Not reported
Contact Email:	glenn.j.portillo@raytheon.com
Operator Name:	Raytheon Co
Operator Address:	2000 E El Segundo Blvd

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Glenn Portillo
Operator Contact Title:	EHS Engineer
Operator Contact Phone:	310-647-9451
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	glenn.j.portillo@raytheon.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-607-7777
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Suzelle Moss
Certifier Title:	Director, EHS
Certification Date:	25-JUN-15
Primary Sic:	3812-Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Agency:	Raytheon Co
Agency Address:	2000 E El Segundo Blvd, El Segundo, CA 90245
Place/Project Type:	Industrial - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems and Instruments
SIC/NAICS:	3812
Region:	4
Program:	INDSTW

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I021413
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/16/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.91631
Longitude:	-118.3934

CERS:

Name:	RAYTHEON CO
Address:	2000 E EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245
Site ID:	540443
CERS ID:	711239
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	540443
Site Name:	Raytheon Co
Violation Date:	02-05-2009
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	166 & 202 mg/L of TSS were detected at the locations, SS2 & SS1, respectively, on 2/5/09.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-19-2018
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	In compliance
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Enforcement Action:

Site ID:	540443
Site Name:	Raytheon Co
Site Address:	2000 E EL SEGUNDO BLVD
Site City:	EL SEGUNDO
Site Zip:	90245
Enf Action Date:	06-16-2010
Enf Action Type:	Staff Enforcement Letter

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1008152328**

Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Raytheon Co
Entity Title: Operator
Affiliation Address: 2000 E El Segundo Blvd
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

AF157 **RAYTHEON SPACE AND AIRBORNE SYSTEMS** **SEMS-ARCHIVE** **1015732613**
SSE **2000 E. EL SEGUNDO BLVD** **CORRACTS** **CAD000633230**
1/2-1 **EL SEGUNDO, CA 90245** **RCRA-TSDF**
0.613 mi. **RCRA-LQG**
3238 ft. **Site 3 of 3 in cluster AF** **US FIN ASSUR**
2020 COR ACTION
Relative: Higher **NY MANIFEST**

Actual: 129 ft.

SEMS Archive:
Site ID: 0903300
EPA ID: CAD000633230
Cong District: 27
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:
Region: 09
Site ID: 0903300
EPA ID: CAD000633230
Site Name: HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903300
EPA ID: CAD000633230

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Site Name: HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-05-21 04:00:00
Finish Date: 1991-05-21 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903300
EPA ID: CAD000633230
Site Name: HUGHES AIRCRAFT CO EL SEGUNDO SOUTH
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-12 04:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2018-03-16 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2017-06-09 00:00:00.0
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2017-03-31 00:00:00.0
Schedule end date: 2017-06-01 00:00:00.0

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2016-12-20 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2016-12-23 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2016-10-06 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-21 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2015-12-29 00:00:00.0
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-05-29 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2015-03-24 00:00:00.0
Action: CA190 - RFI Report Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2014-12-31 00:00:00.0
Schedule end date: 2015-03-01 00:00:00.0

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2013-06-25 00:00:00.0
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2012-06-28 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000633230
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 2012-03-19 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334419 332813
Other Electronic Component Manufacturing
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 2012-02-28 00:00:00.0
Schedule end date: 2012-05-31 00:00:00.0

RCRA-TSDF:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1997-12-18 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	RAYTHEON COMPANY
Owner/operator address:	WINTER STREET
	WALTHAM, MA 02451
Owner/operator country:	US
Owner/operator telephone:	718-768-3991
Owner/operator email:	MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1997-12-18 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	E
Accumulated waste on-site:	No
Generated waste on-site:	Yes

Waste type:	Batteries
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type: Thermostats

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 2016-02-25 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-07-26 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-08 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-03-26 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 1992-04-13 00:00:00.0
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

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. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

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ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

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. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

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. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Waste name: BENZENE
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Corrective Action Summary:
Event date: 1991-09-07 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-09-07 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-09-07 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-07 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0

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Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 2012-03-19 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2012-06-28 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2013-06-25 00:00:00.0
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 2015-03-24 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2015-05-29 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2015-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-10-06 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2016-12-20 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2017-06-09 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2018-03-16 00:00:00.0
Event: INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-22 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-06-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1994-08-19 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1991-11-22 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2017-06-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2017-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2015-09-23 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2014-02-10 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2014-01-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-08-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-06-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-09-02 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-07-13 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-02-17 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 2010-01-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-10-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-09-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-11-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-11-03 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-06-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 2006-03-08 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-06-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-06-07 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-05-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-06 00:00:00.0
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-06-28 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-12-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation date: 1999-01-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-11-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-11-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-01-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-02-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: RAYTHEON SPACE AND AIRBORNE SYSTEMS
Facility address: 2000 E. EL SEGUNDO BLVD
EL SEGUNDO, CA 90245
EPA ID: CAD000633230
Mailing address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact: JAYALAKSHMI M MOHAN
Contact address: E. EL SEGUNDO BLVD.
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-647-1204
Contact email: MANJU.MOHAN@RAYTHEON.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RAYTHEON COMPANY
Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1997-12-18 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: RAYTHEON COMPANY

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Owner/operator address: WINTER STREET
WALTHAM, MA 02451
Owner/operator country: US
Owner/operator telephone: 718-768-3991
Owner/operator email: MANJU.MOHAN@RAYTHEON.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1997-12-18 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 2016-02-25 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: RAYTHEON COMPANY
Classification: Large Quantity Generator

Date form received by agency: 2012-07-26 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2010-06-08 00:00:00.0
Site name: RAYTHEON COMPANY, SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2008-02-19 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-17 00:00:00.0
Site name: RAYTHEON COMPANY, SAS
Classification: Large Quantity Generator

Date form received by agency: 2004-02-20 00:00:00.0
Site name: RAYTHEON CO SPACE AND AIRBORNE SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2002-02-21 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: RAYTHEON COMPANY, ELECTRONIC SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1999-03-16 00:00:00.0
Site name: RAYTHEON SYSTEMS COMPANY, SENSORS AND EL
Classification: Large Quantity Generator

Date form received by agency: 1998-02-04 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Date form received by agency: 1996-03-26 00:00:00.0
Site name: HUGHES AIRCRAFT CO EOS ESS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-30 00:00:00.0
Site name: HUGHES AIRCRAFT CO, ELECTRO OPTICAL SYS
Classification: Large Quantity Generator

Date form received by agency: 1992-04-13 00:00:00.0
Site name: HUGHES ELECTRO OPTICAL DATA SYSTEMS GROU
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: RAYTHEON SYSTEMS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 171
. Waste name: Metal sludge (see 121)

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 711
. Waste name: Liquids with cyanides > 1000 mg/l

. Waste code: 731
. Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T) (OR) MERCURY FULMINATE (R,T)

. Waste code: P074
. Waste name: NICKEL CYANIDE (OR) NICKEL CYANIDE NI(CN)2

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P106
. Waste name: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T) (OR) OXIRANE (I,T)

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

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. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE (OR) 1,4-NAPHTHOQUINONE

. Waste code: U169
. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U216
. Waste name: THALLIUM CHLORIDE TLCL (OR) THALLIUM(I) CHLORIDE

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

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FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 10280

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4410

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 1996

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2964

Waste code: D008
Waste name: LEAD
Amount (Lbs): 2110

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 51

Waste code: D011
Waste name: SILVER
Amount (Lbs): 537

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 5

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 1978

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

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SPENT SOLVENT MIXTURES.
Amount (Lbs): 431

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 12042

Corrective Action Summary:
Event date: 1991-09-07 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1991-09-07 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1991-09-07 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-07 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-01-24 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 2012-03-19 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2012-06-28 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2013-06-25 00:00:00.0
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 2015-03-24 00:00:00.0

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Event: INVESTIGATION REPORT RECEIVED

Event date: 2015-05-29 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 2015-09-21 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2016-10-06 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 2016-12-20 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 2017-06-09 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 2018-03-16 00:00:00.0
Event: INVESTIGATION COMPLETE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-06-22 00:00:00.0
Date achieved compliance: 2006-07-21 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2006-06-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 2002-09-18 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2000-04-27 00:00:00.0
Date achieved compliance: 2002-09-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 2000-06-15 00:00:00.0
Enf. disposition status: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1994-08-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1994-08-16 00:00:00.0
Date achieved compliance: 1994-10-14 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1994-08-19 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Enforcement lead agency: State
Proposed penalty amount: 2050
Final penalty amount: 1450
Paid penalty amount: 1450

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 1994-01-25 00:00:00.0
Date achieved compliance: 1994-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1991-11-22 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1250
Final penalty amount: 700
Paid penalty amount: 700

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1991-08-05 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-09-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1994-01-06 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

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Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1989-09-06 00:00:00.0
Date achieved compliance: 1991-11-18 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2017-06-27 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2017-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2015-09-23 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2014-02-10 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2014-01-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-08-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2012-06-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-09-02 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-07-13 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-02-17 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2010-01-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-10-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2007-09-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation lead agency: State

Evaluation date: 2006-11-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-11-03 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-06-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2006-07-21 00:00:00.0
Evaluation lead agency: Local

Evaluation date: 2006-03-08 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-02-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-06-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2005-06-07 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-05-25 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-06 00:00:00.0
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-06-28 00:00:00.0

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-12-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2000-04-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2002-09-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-01-26 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-11-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-11-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-08-16 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-10-14 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1994-01-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-02-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1991-11-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1991-08-05 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-11-18 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-09-06 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1994-01-06 00:00:00.0
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 839820
Face value: 850731
Effective date: 2009-05-20 00:00:00

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 878460
Face value: 2921482
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 878460
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 2000000
Face value: 2000000
Effective date: 2010-05-30 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: X
Mechanism Type Description: STANDBY TRUST FUND
Cost estimate: 2000000
Face value: 0
Effective date: 2003-06-18 00:00:00
Provider: U.S. BANK, N.A.
EPA region: 9

EPA ID: CAD000633230
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 2000000
Face value: 2921482
Effective date: 2009-05-20 00:00:00
Provider: INTESA SANPAOLO
EPA region: 9

2020 COR ACTION:
EPA ID: CAD000633230
Region: 9
Action: Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

NY MANIFEST:

Name:	HUGHES AIRCRAFT COMPANY
Address:	2000 EAST EL SEGUNDO BLVD
City,State,Zip:	EL SEGUNDO, CA 90245-0902
Country:	USA
EPA ID:	CAD000633230
Facility Status:	Not reported
Location Address 1:	2000 EL SEGUNDO BOULEVARD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	EL SEGUNDO
Location State:	CA
Location Zip:	90245
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD000633230
Mailing Name:	HUGHES AIRCRAFT COMPANY
Mailing Contact:	DEAN D RICHARDSON
Mailing Address 1:	2000 EL SEGUNDO BOULEVARD
Mailing Address 2:	Not reported
Mailing City:	SEGUNDO
Mailing State:	CA
Mailing Zip:	90245
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2136165284

NY MANIFEST:

Document ID:	NYC5731312
Manifest Status:	Not reported
seq:	01
Year:	2001
Trans1 State ID:	Not reported
Trans2 State ID:	71072NNY
Generator Ship Date:	06/28/2001
Trans1 Recv Date:	06/28/2001
Trans2 Recv Date:	07/02/2001
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	CAD000633230
Trans1 EPA ID:	SCR000074591
Trans2 EPA ID:	NYD982792814
TSDF ID 1:	NYD000632372
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported

RAYTHEON SPACE AND AIRBORNE SYSTEMS (Continued) **1015732613**

Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	010
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	003
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00004
Units:	P - Pounds
Number of Containers:	002
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

158
SW
1/2-1
0.616 mi.
3252 ft.

RADIANT SERVICES
200 NEVADA STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S108217730**
CA VCP **N/A**

Relative:
Lower

Actual:
106 ft.

ENVIROSTOR:

Name:	RADIANT SERVICES
Address:	200 NEVADA STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130119
Status:	Active
Status Date:	09/27/2017
Site Code:	301245
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4

RADIANT SERVICES (Continued) **S108217730**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessy Fierro
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 62
Senate: 26
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.91826
Longitude: -118.4034
APN: 4139-005-043, 4139005043, 4139005052
Past Use: DRY CLEANING
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, IA
Alias Name: 4139-005-043
Alias Type: APN
Alias Name: 4139005043
Alias Type: APN
Alias Name: 4139005052
Alias Type: APN
Alias Name: 110033612749
Alias Type: EPA (FRS #)
Alias Name: 301245
Alias Type: Project Code (Site Code)
Alias Name: 19130119
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/22/2017
Comments: VCA fully executed for former Radiant Services site in El Segundo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/08/2004
Comments: The VCA was signed for determining if previous removal activities were adequate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/01/2004
Comments: DTSC reviewed historical documents and recommended soil gas sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/29/2004
Comments: Not reported

RADIANT SERVICES (Continued) **S108217730**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	02/14/2005
Comments:	Based on data, DTSC recommended additional sampling to determine the extent of the contamination.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	04/04/2006
Comments:	Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/04/2017
Comments:	The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	08/10/2018
Comments:	DTSC conditionally approved work plan.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	06/25/2019
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	RADIANT SERVICES
Address:	200 NEVADA STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19130119
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP

RADIANT SERVICES (Continued) **S108217730**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	301245
Assembly:	62
Senate:	26
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	09/27/2017
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.91826 / -118.4034
APN:	4139-005-043, 4139005043, 4139005052
Past Use:	DRY CLEANING
Potential COC:	30022, 30027
Confirmed COC:	30022,30027
Potential Description:	SOIL, SV, IA
Alias Name:	4139-005-043
Alias Type:	APN
Alias Name:	4139005043
Alias Type:	APN
Alias Name:	4139005052
Alias Type:	APN
Alias Name:	110033612749
Alias Type:	EPA (FRS #)
Alias Name:	301245
Alias Type:	Project Code (Site Code)
Alias Name:	19130119
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	09/22/2017
Comments:	VCA fully executed for former Radiant Services site in El Segundo
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	10/08/2004
Comments:	The VCA was signed for determining if previous removal activities were adequate.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	12/01/2004
Comments:	DTSC reviewed historical documents and recommended soil gas sampling.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	12/29/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

RADIANT SERVICES (Continued) **S108217730**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/14/2005
Comments: Based on data, DTSC recommended additional sampling to determine the extent of the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/04/2006
Comments: Proponent requested that Voluntary Cleanup Agreement be terminated. DTSC terminated VCA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/04/2017
Comments: The Summary Report details soil vapor extraction and post-remediation sampling activities without DTSC oversight. Due to the concentrations that continue to remain at the site, DTSC recommends additional sampling of affected media and evaluation of remedial options.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2018
Comments: DTSC conditionally approved work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/25/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

159
SW
1/2-1
0.699 mi.
3690 ft.

134 CENTER STREET
134 CENTER STREET
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S113801375**
CA VCP **N/A**

Relative:
Lower

Actual:
111 ft.

ENVIROSTOR:
Name: 134 CENTER STREET
Address: 134 CENTER STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002642
Status: Active
Status Date: 04/18/2018
Site Code: 301826

134 CENTER STREET (Continued) **S113801375**

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 62
Senate:	, 26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.91736
Longitude:	-118.4050
APN:	NONE SPECIFIED
Past Use:	HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL PLATING - OTHER
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Confirmed COC:	Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium VI
Potential Description:	SOIL, SV
Alias Name:	301826
Alias Type:	Project Code (Site Code)
Alias Name:	60002642
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/04/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/26/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	04/18/2018
Comments:	RP submitted VCP application.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/18/2018
Comments:	Report of Findings
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/2018

134 CENTER STREET (Continued) **S113801375**

Comments: Fully executed VCA sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/05/2018
Comments: FY 1819 Estimate: $19,419

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: 134 CENTER STREET
Address: 134 CENTER STREET
City,State,Zip: EL SEGUNDO, CA 90245
Facility ID: 60002642
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.15
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Xihong (Scarlett) Zhai
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 301826
Assembly: , 62
Senate: , 26
Special Programs Code: Not reported
Status: Active
Status Date: 04/18/2018
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 33.91736 / -118.4050
APN: NONE SPECIFIED
Past Use: HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING, METAL PLATING - OTHER
Potential COC: 30005, 30013, 30022, 30027, 30153
Confirmed COC: 30013,30022,30027,30153
Potential Description: SOIL, SV
Alias Name: 301826
Alias Type: Project Code (Site Code)
Alias Name: 60002642
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

134 CENTER STREET (Continued) **S113801375**

Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/04/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/26/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	04/18/2018
Comments:	RP submitted VCP application.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	04/18/2018
Comments:	Report of Findings
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/08/2018
Comments:	Fully executed VCA sent to RP.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/05/2018
Comments:	FY 1819 Estimate: $19,419
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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160 South 1/2-1 0.705 mi. 3722 ft. **ALLIED SALES & SALVAGE**
160 SEPULVEDA
EL SEGUNDO, CA 90245

CA ENVIROSTOR **S105023637**
CA HIST CORTESE **N/A**

Relative: Lower
Actual: 110 ft.

ENVIROSTOR:

Name:	ALLIED SALES & SALVAGE
Address:	160 SOUTH SEPULVEDA BOULEVARD
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	19500011
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported

ALLIED SALES & SALVAGE (Continued) **S105023637**

Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.91447
Longitude:	-118.3954
APN:	4138014016
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	4138014016
Alias Type:	APN
Alias Name:	CAD063821789
Alias Type:	EPA Identification Number
Alias Name:	19500011
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	05/13/1981
Comments:	Facility identified via Abandoned Chemical Waste Disposal Survey. Questionnaire received. Years of Operation: 1957 to present.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/07/1994
Comments:	DATABASE VALIDATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/16/1988
Comments:	Site Screening Done: DHS will concur with EPA recommendation of NFA due to the minimal quantity of oil disposed of and the fact that the stained areas have been cleaned up. Site will be referred to Los Angeles County Health Dept. Site removed from Cortese.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	12/02/1987
Comments:	Site Screening Done: Evidence of a small amount of onsite disposal found.

ALLIED SALES & SALVAGE (Continued) **S105023637**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST CORTESE:

edr_fname:	ALLIED SALES & SALVAGE
edr_fadd1:	160 SEPULVEDA
City,State,Zip:	EL SEGUNDO, CA 90245
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19500011

AG161 **201 N. DOUGLAS PROPERTY** **CA ENVIROSTOR S108200735**
SE **201 N. DOUGLAS STREET** **CA SCH N/A**
1/2-1 **EL SEGUNDO, CA 90245**
0.730 mi.
3852 ft. **Site 1 of 2 in cluster AG**

Relative: **Lower**

Actual: **97 ft.**

ENVIROSTOR:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Status:	Active
Status Date:	10/04/2012
Site Code:	304642
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane Hydrogen sulfide
Confirmed COC:	Methane 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Alias Name: 4138-003-041
Alias Type: APN
Alias Name: 304642
Alias Type: Project Code (Site Code)
Alias Name: 60001802
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/15/2012
Comments: Fully executed EOA sent (FedEx) to District 10/16/12.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 08/15/2013
Comments: On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 02/05/2013
Comments: Fully executed sent (FedEx) to the District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/01/2013
Comments: On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/24/2013
Comments: On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/03/2018
Comments: DTSC approved the O&M Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2017
Comments: Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk’s office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document, dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	05/03/2018
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	03/04/2019
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Plan
Schedule Due Date:	10/14/2019
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	02/12/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	08/13/2019
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	01/14/2020
Schedule Revised Date:	Not reported

SCH:

Name:	201 N. DOUGLAS PROPERTY
Address:	201 N. DOUGLAS STREET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility ID:	60001802
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Xihong (Scarlett) Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304642
Assembly:	62
Senate:	26

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Special Program Status:	Not reported
Status:	Active
Status Date:	10/04/2012
Restricted Use:	NO
Funding:	School District
Latitude:	33.91887
Longitude:	-118.3843
APN:	4138-003-041
Past Use:	OIL FIELD, RESEARCH - AEROSPACE
Potential COC:	Methane, Hydrogen sulfide
Confirmed COC:	Methane, 30330-NO
Potential Description:	SV
Alias Name:	Wiseburn High School
Alias Type:	Alternate Name
Alias Name:	4138-003-041
Alias Type:	APN
Alias Name:	304642
Alias Type:	Project Code (Site Code)
Alias Name:	60001802
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	10/15/2012
Comments:	Fully executed EOA sent (FedEx) to District 10/16/12.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Post HARP Form
Completed Date:	08/15/2013
Comments:	On August 15, 2013, DTSC Supervisor signed the Post-HARP for site visit inside existing building.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	02/05/2013
Comments:	Fully executed sent (FedEx) to the District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/01/2013
Comments:	On August 1, 2013, DTSC informed the District that DTSC oversight costs exceeded the SCA cost estimate, listed activities causing the exceedance, and provided a revised cost estimate.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/24/2013
Comments:	On January 24,2013, DTSC notified the District that the Environmental Oversight Agreement cost estimate has been exceeded and provided an anticipated approximate cost for the PEA.
Completed Area Name:	PROJECT WIDE

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Responsible Agency Review
Completed Date: 09/06/2013
Comments: On September 6, 2013, DTSC signed the CEQA Notice of Determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/13/2013
Comments: On 08/13/2013, Pre-HARP was signed by the IH & Supervisor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2013
Comments: Via emails since August 1, 2013, DTSC received responses regarding information related to cultural resources for this project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/03/2018
Comments: DTSC approved the O&M Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2014 through June 30, 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/20/2014
Comments: On August 20, 2014, DTSC received the SCA Amendment which was fully executed on June 26, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2015
Comments: Annual cost estimate completed, emailed and mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/21/2016
Comments: On September 21, 2016, DTSC provided a cost estimate of DTSC oversight activities for July 1, 2016 through June 30, 2017.

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/31/2017
Comments: Annual Cost Estimate letter sent 08/31/17.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2017
Comments: Via email on August 15, 2017, DTSC provided notification of the DTSC project manager change for the Site, effective immediately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $25,770

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/06/2012
Comments: On November 6, 2012, DTSC conducted a PEA Scoping Meeting with the Wiseburn School District; in addition, representatives for the current propety owner and potential future property owner were in attendance. DTSC received a total of 13 documents/reports (electronic format) of existing Site data/information (1996 to 2012). The District indicated it will provide DTSC a letter indicating that the Existing Data will be considered as a PEA Equivalent Report and submit a PEA Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/16/2013
Comments: DTSC determined that a response action, to include methane mitigation through the removal action workplan process, is required for the Site.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 11/27/2012
Comments: On November 27, 2012, DTSC conditionally approved the PEA Workplan provided specific comments be implemented and/or addressed during PEA fieldwork and in the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/2013
Comments: On January 31, 2013, DTSC provided comments on the Draft Environmental Impact Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Document Type: Community Profile
Completed Date: 07/01/2013
Comments: DTSC approved the Community Profile, which describes the community and identifies potential community concerns regarding Site activities.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/2013
Comments: Via email on April 10, 2013, DTSC was informed that the Notice of Determination for the Environmental Impact Report (EIR) was filed with the County Clerk's office on March 22, 2013 and mailed to the State Clearinghouse. The FINAL EIR (SCH No. 2011061056), certified on March 21, 2013, is comprised of the following documents: 1) FINAL EIR, dated March 2013; 2) DRAFT EIR, dated January 2013; 3) ADDENDUM TO FINAL EIR (i.e., DTSC's comment letter, dated January 31, 2013, on the Draft EIR; and The Planning Center's response letter, dated March 11, 2013, to DTSC's comments).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/05/2013
Comments: On September 5, 2013, DTSC approved the Removal Action Workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/18/2013
Comments: On July 18, 2013 and July 19, 2013, the Community Notice was distributed via US mail and e-mail. The Community Notice provided information on the Site history, proposed methane mitigation system, and 30-day public comment period (July 22 through August 20).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/17/2013
Comments: On July 17, 2013, DTSC signed the SFPD 4.15 Form documenting the commitment of the District and DTSC to California Department of Education to complete the required response action prior to project occupancy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/22/2013
Comments: On July 22, 2013, the Public Notice Ad regarding the Draft RAW was published in the Daily Breeze.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 12/11/2014
Comments: On December 11, 2014, DTSC approved the Remedial Design Document,

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

dated December 2014. RAW implementation is anticipated to commence during school construction activities in March 2015.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/24/2017
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in future operation and maintenance field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2013
Comments: DTSC received a letter report, dated August 14, 2013, regarding Indoor Air Monitoring which was conducted on August 13, 2013.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/06/2014
Comments: DTSC had no comments on the CEQA document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2015
Comments: The Work Notice announcing Methane Mitigation Work (i.e., implementation of the RAW) was mailed/distributed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/07/2014
Comments: DTSC did not have any comments on the CEQA Draft Supplemental EIR for the Wiseburn High School Sports Complex.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/09/2015
Comments: Via email on June 9, 2015, DTSC indicated the design modifications to the Gas Mitigation System are acceptable.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/18/2017
Comments: Not reported

201 N. DOUGLAS PROPERTY (Continued) **S108200735**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/02/2016
Comments:	Via email on May 2, 2016, DTSC indicated the proposed design changes to the gas mitigation system were acceptable.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/29/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	05/03/2018
Comments:	DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	03/04/2019
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Plan
Schedule Due Date:	10/14/2019
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	02/12/2020
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	08/13/2019
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	01/14/2020
Schedule Revised Date:	Not reported

AG162 **FORT MCARTHUR** **CA BOND EXP. PLAN** **S100833329**
SE **200 NORTH DOUGLAS STREET, BLDG. 212** **N/A**
1/2-1 **SAN PEDRO, CA 90245**
0.734 mi.
3877 ft. **Site 2 of 2 in cluster AG**

Relative: **Lower**
Actual: **98 ft.**

CA BOND EXP. PLAN:

Reponsible Party:	FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company:	Not reported
Project Revenue Source Addr:	Not reported
Project Revenue Source City,St,Zip:	Not reported
Project Revenue Source Desc:	The Department will either enter into an interagency agreement with the Department of Defense or will issue an order. The Department has budgeted $15,000 for oversight/monitoring costs. DHS will seek 100 percent cost recovery for its direct costs plus staff costs and overhead related to the project. The Department of Defense is expected to fund all remedial investigation and cleanup activities.
Site Description:	The Fort McArthur site is a former nike missile base located in the White's Point area of San Pedro. The Army transferred the site to the Air Force for housing and the Air Force transferred part of the site to the City of Los Angeles for a park. Thesite is located at 25th Street and Western Avenue in San Pedro.
Hazardous Waste Desc:	Ninety-six acres of the original 561-acre complex remain under Air Force control. The remaining properties were disposed of as surplus. An initial assessment study was performed on the active ninety-six acres of Fort McArthur. Nine acres of potential contamination were identified. Only two areas are recommended by the Air Force for further site characterization. Released wastes include pesticides and battery acids.
Threat To Public Health & Env:	Residues of hazardous wastes in the soil are the only identified environmental threat. Ground water is intruded by seawater and is unsuitable at this time for use as a drinking water supply. There is no known exposure at this time.
Site Activity Status:	The installation restoration program (IRP) has been initiated at this base. Currently, the program is in the operations/remedial action phase of the mitigation process.

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163 **NORTHROP GRUMMAN CORP (WC)** **CA ENVIROSTOR** **S103672582**
East **800 NO DOUGLAS** **N/A**
1/2-1 **LOS ANGELES, CA 90250**
0.772 mi.
4076 ft.

Relative: **Lower**
Actual: **99 ft.**

ENVIROSTOR:

Name:	NORTHROP GRUMMAN CORP (WC)
Address:	800 NO DOUGLAS
City,State,Zip:	LOS ANGELES, CA 902500000
Facility ID:	80001311
Status:	Active
Status Date:	06/14/2019
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Luis Garcia
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	62
Senate:	26

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92375
Longitude: -118.3802
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000627273
Alias Type: EPA Identification Number
Alias Name: 80001311
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/21/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

164
East
1/2-1
0.811 mi.
4281 ft.

Relative:
Lower

Actual:
98 ft.

BLDG. 902
500 N DOUGLAS ST
EL SEGUNDO, CA 90245

SEMS-ARCHIVE **1000840757**
CORRACTS **CAD000627273**
RCRA-TSDF
RCRA-LQG
ICIS
US AIRS
FINDS
ECHO

SEMS Archive:
Site ID: 0903329
EPA ID: CAD000627273
Cong District: 27

BLDG. 902 (Continued) **1000840757**

FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0903329
EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-28 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0903329
EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-06-28 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0903329
EPA ID: CAD000627273
Site Name: NORTHROP CORP AIRCRAFT DIV
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-11-07 05:00:00
Finish Date: 1989-11-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-27 00:00:00.0

BLDG. 902 (Continued) **1000840757**

Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD000627273
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 1990-05-21 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 336411
Aircraft Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-04-19 00:00:00.0
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245
Contact: SULAMAN AHMED
Contact address: HORNET WAY
EL SEGUNDO, CA 90245
Contact country: US
Contact telephone: 310-332-7275
Contact email: SULAMAN.AHMED@NGC.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US

BLDG. 902 (Continued) **1000840757**

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1980-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: NORTHROP GRUMMAN CORPORATION
Owner/operator address: FAIRVIEW PARK DRIVE
FALLS CHURCH, VA 22042
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1980-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

BLDG. 902 (Continued) **1000840757**

Historical Generators:

Date form received by agency: 2016-01-29 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2012-03-09 00:00:00.0
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2010-02-04 00:00:00.0
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2008-02-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2006-03-27 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 2004-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 1998-03-10 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 1996-03-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 1994-03-25 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

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Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213

BLDG. 902 (Continued) **1000840757**

. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007

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. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

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Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	58750
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	6660
Waste code:	D005
Waste name:	BARIUM
Amount (Lbs):	231640
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	297248
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	40685
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	286725
Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	35260
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

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NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1990-05-21 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-05-21 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

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Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: 2017-10-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-05-29 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-06-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported

BLDG. 902 (Continued) **1000840757**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-02-20 00:00:00.0
Date achieved compliance: 1992-04-08 00:00:00.0
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

BLDG. 902 (Continued) **1000840757**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1992-01-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-04-18 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-06-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

BLDG. 902 (Continued) **1000840757**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2017-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2017-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2017-10-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-05-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 1997-08-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-06-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-05-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1992-06-17 00:00:00.0

BLDG. 902 (Continued) **1000840757**

Evaluation lead agency: State

Evaluation date: 1992-02-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-04-08 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-01-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1988-04-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1988-02-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-04-19 00:00:00.0
Facility name: NORTHROP GRUMMAN EL SEGUNDO
Facility address: 1 HORNET WAY
EL SEGUNDO, CA 90245
EPA ID: CAD000627273
Mailing address: HORNET WAY
EL SEGUNDO, CA 90245

BLDG. 902 (Continued) **1000840757**

Contact:	SULAMAN AHMED
Contact address:	HORNET WAY EL SEGUNDO, CA 90245
Contact country:	US
Contact telephone:	310-332-7275
Contact email:	SULAMAN.AHMED@NGC.COM
EPA Region:	09
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1980-01-01 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	NORTHROP GRUMMAN CORPORATION
Owner/operator address:	FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	1980-01-01 00:00:00.0
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

BLDG. 902 (Continued) **1000840757**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 2016-01-29 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0
Site name: NORTHROP GRUMMAN EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2012-03-09 00:00:00.0
Site name: NORTHROP GRUMMAN SYSTEMS CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2010-02-04 00:00:00.0
Site name: NORTHROP GRUMMAN WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2008-02-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORP WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2006-03-27 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION ESMC
Classification: Large Quantity Generator

Date form received by agency: 2004-03-04 00:00:00.0

BLDG. 902 (Continued) **1000840757**

Site name: NORTHROP GRUMMAN CORPORATION-EL SEGUNDO
Classification: Large Quantity Generator

Date form received by agency: 2002-02-26 00:00:00.0
Site name: NORTHROP GRUMMAN CORP. WEST COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0
Site name: NORTHROP GRUMMAN-WC
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION- W. COMPLEX
Classification: Large Quantity Generator

Date form received by agency: 1998-03-10 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1996-09-01 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Large Quantity Generator

Date form received by agency: 1996-03-29 00:00:00.0
Site name: NORTHROP GRUMMAN CORPORATION-MASD(WC)
Classification: Large Quantity Generator

Date form received by agency: 1994-03-25 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1992-04-28 00:00:00.0
Site name: NORTHROP CORPORATION AIRCRAFT DIVISION-W
Classification: Large Quantity Generator

Date form received by agency: 1990-04-12 00:00:00.0
Site name: NORTHROP CORP-AIRCRAFT DIV
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NORTHROP CORP AIRCRAFT DIVISION
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

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. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

BLDG. 902 (Continued) **1000840757**

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE

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USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 58750

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 6660

Waste code: D005
Waste name: BARIUM

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Amount (Lbs): 231640

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 297248

Waste code: D011
Waste name: SILVER
Amount (Lbs): 40685

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 286725

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 35260

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 264240

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
Amount (Lbs): 3098

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Corrective Action Summary:
Event date: 1990-01-01 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: PA OR CERCLA INSPECTION

Event date: 1990-05-21 00:00:00.0
Event: NCAPS RANKING/PRIORITY

Event date: 1990-05-21 00:00:00.0
Event: LEAD AGENCY DETERMINATION

Event date: 1990-05-21 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1992-03-27 00:00:00.0
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2017-09-12 00:00:00.0
Date achieved compliance: 2017-10-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0

BLDG. 902 (Continued) **1000840757**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-05-29 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1992-06-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 1992-05-08 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-08-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-02-20 00:00:00.0
Date achieved compliance: 1992-04-08 00:00:00.0
Violation lead agency: EPA

BLDG. 902 (Continued) **1000840757**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1993-03-08 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1990-02-27 00:00:00.0
Date achieved compliance: 1992-01-30 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-04-09 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 1988-04-18 00:00:00.0
Date achieved compliance: 1988-09-15 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

BLDG. 902 (Continued) **1000840757**

Enforcement action date: 1988-06-24 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 1988-02-11 00:00:00.0
Date achieved compliance: 1988-02-11 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2017-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2017-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2017-10-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2006-05-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 1997-08-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

BLDG. 902 (Continued) **1000840757**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-06-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-05-29 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-04-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1992-06-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-02-20 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-04-08 00:00:00.0
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1992-01-30 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-02-27 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1993-03-08 00:00:00.0
Evaluation lead agency: State

BLDG. 902 (Continued) **1000840757**

Evaluation date: 1990-02-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1988-04-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1988-09-15 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 1988-02-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-02-11 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ICIS:
Enforcement Action ID: CASCAA0000060370065800098
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800098
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800097
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800097
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported

BLDG. 902 (Continued) **1000840757**

Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA0000060370065800047
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800047
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA0000060370065800046
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800046
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4511
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.92708
Longitude in Decimal Degrees:	-118.38319
Permit Type Desc:	Not reported
Program System Acronym:	CASCA0000603700658
Facility NAICS Code:	336411
Tribal Land Code:	Not reported
Enforcement Action ID:	CASCAA0000060370065800032
FRS ID:	110009527486
Action Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800032
Facility Name:	NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address:	500 N DOUGLAS ST EL SEGUNDO, CA 90245
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal

BLDG. 902 (Continued) **1000840757**

EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800031
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800031
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800024
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800024
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA0000060370065800023
FRS ID: 110009527486
Action Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV 060370065800023
Facility Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Facility Address: 500 N DOUGLAS ST
EL SEGUNDO, CA 90245
Enforcement Action Type: Notice of Violation

BLDG. 902 (Continued) **1000840757**

Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4511
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.92708
Longitude in Decimal Degrees: -118.38319
Permit Type Desc: Not reported
Program System Acronym: CASCA0000603700658
Facility NAICS Code: 336411
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000840757
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
D and B Number: Not reported
Facility Site Name: NORTHROP GRUMMAN CORP. AIRCRAFT DIV
Primary SIC Code: 4511
NAICS Code: 336411
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 1993-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

BLDG. 902 (Continued) **1000840757**

Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action

BLDG. 902 (Continued) **1000840757**

Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: Not reported
Activity Status Date: 2002-10-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2004-11-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-10-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-20 00:00:00
Activity Status Date: 2015-10-27 16:14:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-25 00:00:00
Activity Status Date: 2015-03-03 17:49:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-27 00:00:00
Activity Status Date: 2015-10-27 16:09:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-03 00:00:00
Activity Status Date: 2015-10-27 16:12:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-17 00:00:00
Activity Status Date: 2016-05-27 19:22:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:16:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-14 00:00:00
Activity Status Date: 2015-10-27 16:17:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2015-10-27 16:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-27 00:00:00
Activity Status Date: 2016-05-27 19:25:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-15 00:00:00
Activity Status Date: 2016-05-27 19:23:54
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-03-29 00:00:00
Activity Status Date: 2016-05-27 19:15:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-07-26 00:00:00
Activity Status Date: 2016-10-06 18:55:22
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-10-06 00:00:00
Activity Status Date: 2016-10-06 19:00:24
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2002-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2008-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

BLDG. 902 (Continued) **1000840757**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

BLDG. 902 (Continued) **1000840757**

Activity Date: 2012-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486

BLDG. 902 (Continued) **1000840757**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

BLDG. 902 (Continued) **1000840757**

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-02-20 00:00:00
Activity Status Date: 2001-02-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-31 00:00:00
Activity Status Date: 2002-07-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-08 00:00:00
Activity Status Date: 2004-01-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-04 00:00:00
Activity Status Date: 2010-08-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: 2000-12-28 00:00:00
Activity Group: Enforcement Action

BLDG. 902 (Continued) **1000840757**

Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-17 00:00:00
Activity Status Date: 2002-05-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-11-09 00:00:00
Activity Status Date: 2003-11-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA0000603700658
Facility Registry ID: 110009527486
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-21 00:00:00
Activity Status Date: 2010-04-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110055862142

Environmental Interest/Information System
COMPLIANCE AND EMISSIONS REPORTING

STATE MASTER

Registry ID: 110064127671

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

BLDG. 902 (Continued) **1000840757**

corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000840757
Registry ID:	110064127671
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064127671

---

165 NE 1/2-1 0.821 mi. 4337 ft. **AFP #9** **CA ENVIROSTOR** **S107735799 N/A**

LOS ANGELES, CA

Relative: Lower

Actual: 97 ft.

ENVIROSTOR:

Name:	AFP #9
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80000131
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	15.42
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	62
Senate:	26
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.93390
Longitude:	-118.3836
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F535200
Alias Type:	Federal Facility ID
Alias Name:	J09CA0217
Alias Type:	INPR
Alias Name:	80000131
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported

AFP #9 (Continued) **S107735799**

Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

166
ESE
1/2-1
0.943 mi.
4981 ft.

WEST COMPLEX FACILITY
1 HORNET WAY
EL SEGUNDO, CA 90245

CA HWP **S105256477**
CA NPDES **N/A**
CA WDS
CA CIWQS
CA CERS

Relative:
Lower

Actual:
97 ft.

HWP:

Name:	NORTHROP GRUMMAN EL SEGUNDO
Address:	1 HORNET WAY
City,State,Zip:	EL SEGUNDO, CA 90245
EPA Id:	CAD000627273
Cleanup Status:	CLOSED
Latitude:	33.92375
Longitude:	-118.3802
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	62
Senate District:	26
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	06/30/1983
EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	10/18/1984
EPA Id:	CAD000627273
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date:	09/30/1991

WEST COMPLEX FACILITY (Continued) **S105256477**

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 06/03/1983

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/10/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 10/18/1984

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/18/1989

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION RECEIVED
Actual Date: 08/13/1987

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 03/15/1983

Closure:

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/25/1991

EPA Id: CAD000627273
Facility Type: Historical - Non-Operating
Unit Names: CONTAIN1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 09/30/1991

NPDES:

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Facility Status: Not reported
NPDES Number: Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19I006362
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/24/1992
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189616
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Northrop Grumman Corp
Discharge Address:	PA12 1 Hornet Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar

WEST COMPLEX FACILITY (Continued) **S105256477**

Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NORTHROP GRUMMAN MIL AIR SYS
Address:	1 HORNET
City,State,Zip:	EL SEGUNDO, CA 90245
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	189616
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I006362
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PA12 1 Hornet Ave
Discharge Name:	Northrop Grumman Corp
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	189616
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Northrop Grumman Corp
Discharge Address:	PA12 1 Hornet Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	189616
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I006362
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1992
Status:	Active
Status Date:	04/24/1992
Place Size:	91
Place Size Unit:	Acres
Contact:	VASKEN DEMIRJIAN
Contact Title:	Wastewater Engineer
Contact Phone:	310-331-5418
Contact Phone Ext:	Not reported
Contact Email:	vasken.demirjian@ngc.com
Operator Name:	Northrop Grumman Corp
Operator Address:	PA12 1 Hornet Ave
Operator City:	El Segundo
Operator State:	California
Operator Zip:	90245
Operator Contact:	Karl Bhatnagar
Operator Contact Title:	Wastewater Engineer
Operator Contact Phone:	310-332-5811
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karl.bhatnagar@ngc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	310-331-5418
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Dominguez Channel
Certifier:	Karl Bhatnagar
Certifier Title:	Environmental manager
Certification Date:	11-MAY-15
Primary Sic:	3721-Aircraft
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	WEST COMPLEX FACILITY
Address:	1 Hornet Way
City:	EL SEGUNDO
Facility ID:	4 19I006362
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3103315418
Facility Contact:	Jennifer Sasaki
Agency Name:	NORTHROP GRUMMAN CORP. MASD
Agency Address:	One Hornet Way MS PA12/W9
Agency City,St,Zip:	El Segundo 90245
Agency Contact:	Jennifer Sasaki
Agency Telephone:	3103315418
Agency Type:	Private
SIC Code:	3721
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Agency: Northrop Grumman Corp
Agency Address: PA12 1 Hornet Ave, El Segundo, CA 90245
Place/Project Type: Industrial - Aircraft
SIC/NAICS: 3721
Region: 4
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 4 19I006362
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/24/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.91944
Longitude: -118.37927

CERS:
Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 352157
CERS ID: 273694
CERS Description: NPDES Wastewater and Stormwater

Violations:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys

WEST COMPLEX FACILITY (Continued) **S105256477**

Violation Date: 12-22-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: In compliance during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported

WEST COMPLEX FACILITY (Continued) **S105256477**

Affiliation Zip: 90245
Affiliation Phone: Not reported

Name: NORTHROP GRUMMAN EL SEGUNDO
Address: 1 HORNET WAY
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 229640
CERS ID: CAD000627273
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: Northrop Grumman Corporation
Entity Title: Not reported
Affiliation Address: 2980 FAIRVIEW PARK DR
Affiliation City: FALLS CHURCH
Affiliation State: VA
Affiliation Country: Not reported
Affiliation Zip: 220420000
Affiliation Phone: 7032802529

Affiliation Type Desc: Facility Contact
Entity Name: Sulaman Ahmed
Entity Title: Not reported
Affiliation Address: ONE HORNET WAY PA14/W2
Affiliation City: EL SEGUNDO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: 3103327275

Name: NORTHROP GRUMMAN MIL AIR SYS
Address: 1 HORNET
City,State,Zip: EL SEGUNDO, CA 90245
Site ID: 352157
CERS ID: 273694
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Violation Date: 12-22-2008
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Ranging from 0.15 to 1.72 mg/L of Zn were detected on 12/22/2008 & 02/05/2009. 205 & 301 mg/L of SC and 0.10 mg/L of Cu were detected on 02/05/2009.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-09-2018
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation

WEST COMPLEX FACILITY (Continued) **S105256477**

Eval Notes: In compliance during the inspection.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 352157
Site Name: Northrop Grumman Mil Air Sys
Site Address: 1 HORNET
Site City: EL SEGUNDO
Site Zip: 90245
Enf Action Date: 03-31-2010
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: The letter, AR Review - Benchmark Exceedance, was sent to ensure that the permittee will develop and implement the BMPs to reduce or prevent pollutants in SW discharges. Letter also required permittee to submit evidence of implemented additional BMPs and SWPPP amendments if the permittee is already implementing the BMPs.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Northrop Grumman Systems Corporation
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Owner/Operator
Entity Name: Northrop Grumman Corp
Entity Title: Operator
Affiliation Address: PA12 1 Hornet Ave
Affiliation City: El Segundo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90245
Affiliation Phone: Not reported

Count: 5 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL SEGUNDO	S101296163	CITY OF EL SEGUNDO	FRANKLIN AVE	90245	CA LUST, CA HIST CORTESE
EL SEGUNDO	S125242573	835 LAPHAM STREET	835 LAPHAM STREET	90245	CA ENVIROSTOR, CA VCP
EL SEGUNDO	S111075899	EL SEGUNDO CITY DUMP	WEST OF WEST WALNUT AVENUE AND		CA SWF/LF
EL SEGUNDO	S124437338	SOF-XI PCT TWO TOWER OWNER, LLC	100-200 N PACIFIC COAST HWY	90245	CA CERS HAZ WASTE, CA CERS
EL SEGUNDO	S124437360	SOF-XI PCT SINGLE TOWER OWNER, LLC	222 N PACIFIC COAST HWY	90245	CA CERS HAZ WASTE, CA CERS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 57

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 59

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/11/2019
Number of Days to Update: 70

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/08/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/06/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/27/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 140
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90
Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 83

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 43

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 09/27/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/22/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 66

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 02/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/07/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/13/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 64
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/12/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/16/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 49
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 11/18/2019
Number of Days to Update: 90
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 58

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/22/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 53

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 10/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 51

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/05/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/23/2019
Date Made Active in Reports: 10/22/2019
Number of Days to Update: 60

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 68

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/06/2019
Date Data Arrived at EDR: 09/12/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 49

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/08/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 72

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 63

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/26/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 34

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 71

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/18/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/27/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/22/2019
Date Data Arrived at EDR: 08/26/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 64

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 08/21/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 58

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/25/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 62

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/23/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 64

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/07/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 61

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 08/06/2019
Date Made Active in Reports: 10/09/2019
Number of Days to Update: 64

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 61

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/20/2019
Number of Days to Update: 71

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2019
Date Data Arrived at EDR: 07/11/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 74

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/06/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 37

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/07/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 38

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/24/2019
Number of Days to Update: 70

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 62

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/11/2019
Next Scheduled EDR Contact: 12/29/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/03/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 11/05/2019
Number of Days to Update: 57

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/18/2019
Number of Days to Update: 59

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 08/02/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 67

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/28/2019
Date Data Arrived at EDR: 08/30/2019
Date Made Active in Reports: 10/29/2019
Number of Days to Update: 60

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 11/07/2019
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 07/18/2019
Date Data Arrived at EDR: 07/18/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 70

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/29/2019
Date Data Arrived at EDR: 09/03/2019
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 64

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/23/2019
Date Made Active in Reports: 09/26/2019
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 08/12/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 64

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/04/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/30/2019
Number of Days to Update: 63
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/25/2019
Date Data Arrived at EDR: 10/01/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 30
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/26/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/08/2019
Number of Days to Update: 69
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

COMMERCIAL SITE
650 & 700 NORTH SEPULVEDA
EL SEGUNDO, CA 90245

TARGET PROPERTY COORDINATES

Latitude (North):	33.92568 - 33˚ 55' 32.45''
Longitude (West):	118.395425 - 118˚ 23' 43.53''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	371015.7
UTM Y (Meters):	3754598.0
Elevation:	116 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640438 VENICE, CA
Version Date:	2012
East Map:	5640440 INGLEWOOD, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

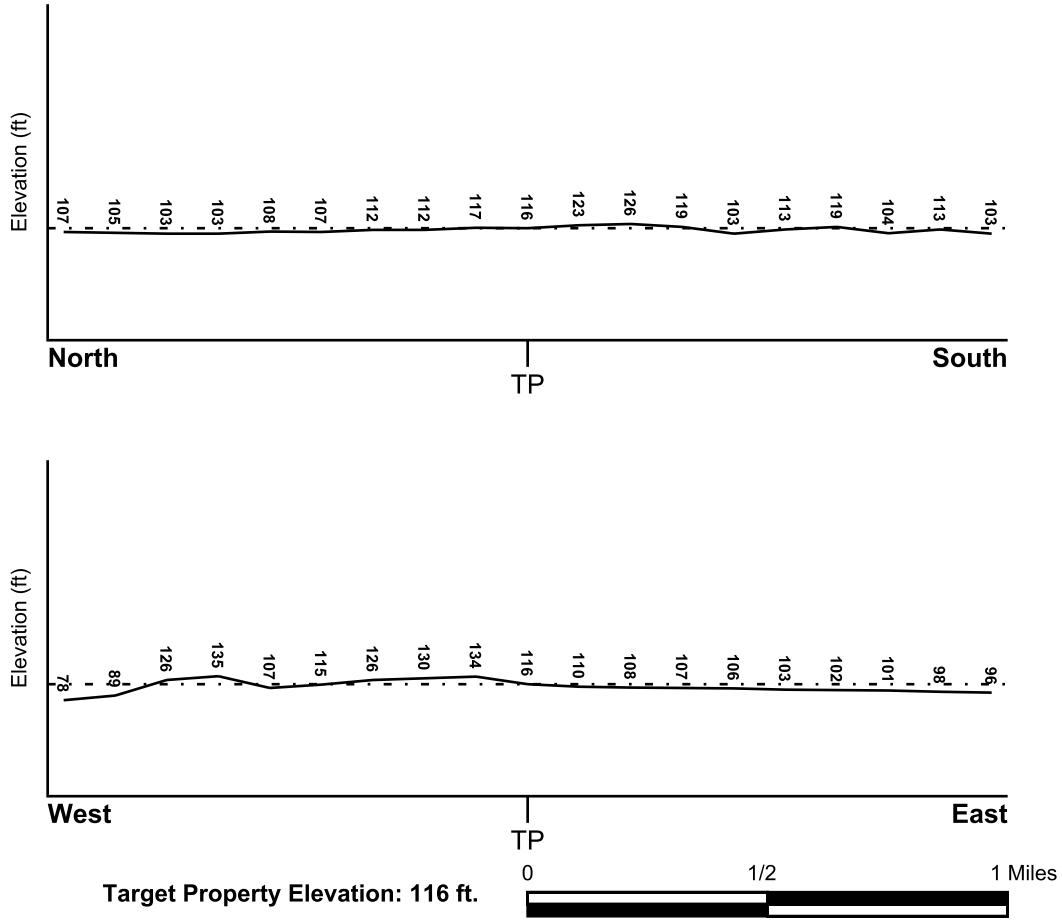
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1770F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1760F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
VENICE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile SSW
Site Name:	International Rectifier
Site EPA ID Number:	CAD076208313
Groundwater Flow Direction:	West
Inferred Depth to Water:	80 feet.
Hydraulic Connection:	Aquifers underlying the site are interconnected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	DELHI
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

clay

Shallow Soil Types: fine sandy loam
gravelly - loam
sandy clay loam
sandy clay

Deeper Soil Types: coarse sand
silty clay loam
gravelly - fine sandy loam
stratified
gravelly - sandy loam
weathered bedrock
clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAOG13000005603	1/8 - 1/4 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

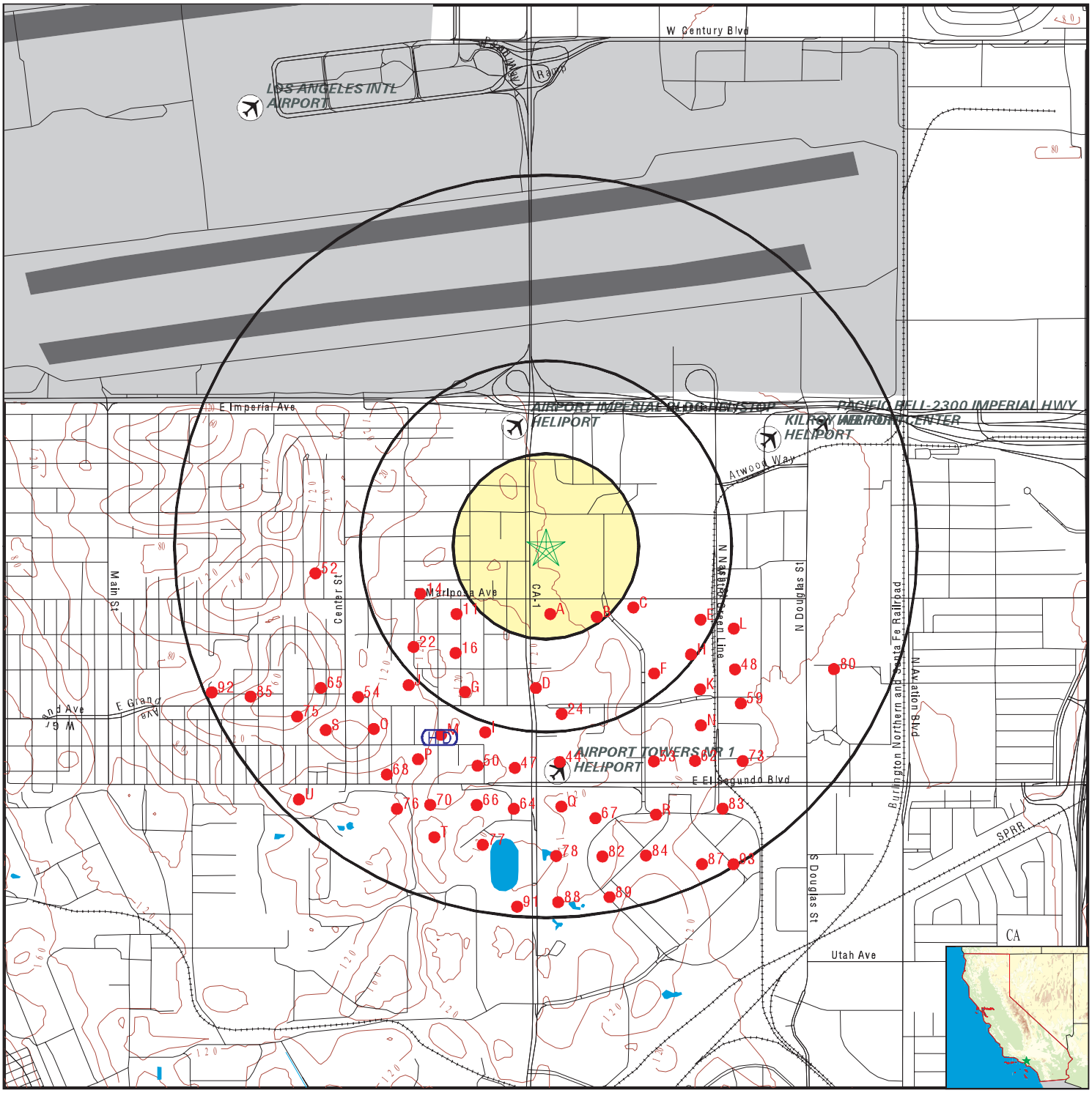
MAP ID	WELL ID	LOCATION FROM TP
A2	CAOG13000093253	1/8 - 1/4 Mile South
B3	CAOG13000093261	1/8 - 1/4 Mile SSE
B4	CAOG13000093254	1/4 - 1/2 Mile SE
C5	CAOG13000093260	1/4 - 1/2 Mile SE
C6	CAOG13000093268	1/4 - 1/2 Mile SE
C7	CAOG13000093267	1/4 - 1/2 Mile SE
C8	CAOG13000093269	1/4 - 1/2 Mile SE
C9	CAOG13000093272	1/4 - 1/2 Mile SE
C10	CAOG13000093297	1/4 - 1/2 Mile SE
11	CAOG13000005262	1/4 - 1/2 Mile SW
C12	CAOG13000093259	1/4 - 1/2 Mile ESE
C13	CAOG13000093266	1/4 - 1/2 Mile ESE
14	CAOG13000005486	1/4 - 1/2 Mile WSW
D15	CAOG13000093252	1/4 - 1/2 Mile South
16	CAOG13000093200	1/4 - 1/2 Mile SW
D17	CAOG13000093232	1/4 - 1/2 Mile South
E18	CAOG13000093257	1/4 - 1/2 Mile ESE
F19	CAOG13000093255	1/4 - 1/2 Mile SE
G20	CAOG13000093234	1/4 - 1/2 Mile SSW
E21	CAOG13000093271	1/4 - 1/2 Mile ESE
22	CAOG13000093282	1/4 - 1/2 Mile SW
E23	CAOG13000093296	1/4 - 1/2 Mile ESE
24	CAOG13000093250	1/4 - 1/2 Mile South
H25	CAOG13000093258	1/4 - 1/2 Mile SE
G26	CAOG13000093218	1/4 - 1/2 Mile SSW
E27	CAOG13000093256	1/4 - 1/2 Mile ESE
F28	CAOG13000093191	1/4 - 1/2 Mile SE
E29	CAOG13000093263	1/4 - 1/2 Mile ESE
E30	CAOG13000093251	1/4 - 1/2 Mile ESE
H31	CAOG13000093262	1/4 - 1/2 Mile SE
H32	CAOG13000093194	1/2 - 1 Mile SE
I33	CAOG13000093229	1/2 - 1 Mile SSW
J34	CAOG13000093233	1/2 - 1 Mile SW
J35	CAOG13000093221	1/2 - 1 Mile SW
I36	CAOG13000093242	1/2 - 1 Mile SSW
K37	CAOG13000093192	1/2 - 1 Mile SE
K38	CAOG13000093264	1/2 - 1 Mile SE
L39	CAOG13000093226	1/2 - 1 Mile ESE
M40	CAOG13000093244	1/2 - 1 Mile SSW
L41	CAOG13000093227	1/2 - 1 Mile ESE
K42	CAOG13000093294	1/2 - 1 Mile SE
M43	CAOG13000093230	1/2 - 1 Mile SSW
44	CAOG13000093248	1/2 - 1 Mile South
K45	CAOG13000093270	1/2 - 1 Mile SE
K46	CAOG13000093249	1/2 - 1 Mile SE
47	CAOG13000093208	1/2 - 1 Mile South
48	CAOG13000093228	1/2 - 1 Mile ESE
M49	CAOG13000093225	1/2 - 1 Mile SSW
50	CAOG13000093209	1/2 - 1 Mile SSW
N51	CAOG13000093237	1/2 - 1 Mile SE
52	CAOG13000005352	1/2 - 1 Mile West
53	CAOG13000093236	1/2 - 1 Mile SSE
54	CAOG13000093203	1/2 - 1 Mile SW
N55	CAOG13000093265	1/2 - 1 Mile SE
O56	CAOG13000093199	1/2 - 1 Mile SW
P57	CAOG13000093211	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P58	CAOG13000093212	1/2 - 1 Mile SW
59	CAOG13000093246	1/2 - 1 Mile SE
Q60	CAOG13000093243	1/2 - 1 Mile South
O61	CAOG13000093204	1/2 - 1 Mile SW
62	CAOG13000093247	1/2 - 1 Mile SE
Q63	CAOG13000093287	1/2 - 1 Mile South
64	CAOG13000093273	1/2 - 1 Mile South
65	CAOG13000093201	1/2 - 1 Mile WSW
66	CAOG13000093275	1/2 - 1 Mile SSW
67	CAOG13000093290	1/2 - 1 Mile South
68	CAOG13000093224	1/2 - 1 Mile SW
R69	CAOG13000093219	1/2 - 1 Mile SSE
70	CAOG13000093277	1/2 - 1 Mile SSW
S71	CAOG13000093281	1/2 - 1 Mile SW
S72	CAOG13000093280	1/2 - 1 Mile SW
73	CAOG13000093245	1/2 - 1 Mile SE
R74	CAOG13000093195	1/2 - 1 Mile SSE
75	CAOG13000093222	1/2 - 1 Mile SW
76	CAOG13000093278	1/2 - 1 Mile SSW
77	CAOG13000093274	1/2 - 1 Mile SSW
78	CAOG13000093288	1/2 - 1 Mile South
T79	CAOG13000093193	1/2 - 1 Mile SSW
80	CAOG13000093210	1/2 - 1 Mile ESE
T81	CAOG13000093279	1/2 - 1 Mile SSW
82	CAOG13000093285	1/2 - 1 Mile South
83	CAOG13000093197	1/2 - 1 Mile SE
84	CAOG13000093220	1/2 - 1 Mile SSE
85	CAOG13000093202	1/2 - 1 Mile WSW
U86	CAOG13000093295	1/2 - 1 Mile SW
87	CAOG13000093215	1/2 - 1 Mile SSE
88	CAOG13000093289	1/2 - 1 Mile South
89	CAOG13000093286	1/2 - 1 Mile South
U90	CAOG13000093293	1/2 - 1 Mile SW
91	CAOG13000093276	1/2 - 1 Mile South
92	CAOG13000093231	1/2 - 1 Mile WSW
93	CAOG13000093216	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 5874708.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Commercial Site	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	650 & 700 North Sepulveda EL SEGUNDO CA 90245	CONTACT:	Alex Flores
LAT/LONG:	33.92568 / 118.395425	INQUIRY #:	5874708.2s
		DATE:	November 19, 2019 5:59 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
South **OIL_GAS** **CAOG13000005603**
1/8 - 1/4 Mile

API #:	0403705175	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Atlantic Richfield Company		
Lease Name:	Santa Fe B	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

A2
South **OIL_GAS** **CAOG13000093253**
1/8 - 1/4 Mile

API #:	0403707217	Well #:	10
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B3
SSE **OIL_GAS** **CAOG13000093261**
1/8 - 1/4 Mile

API #:	0403707225	Well #:	19
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

B4
SE **OIL_GAS** **CAOG13000093254**
1/4 - 1/2 Mile

API #:	0403707218	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C5
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093260**

API #:	0403707224	Well #:	18
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C6
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093268**

API #:	0403707232	Well #:	27
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C7
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093267**

API #:	0403707231	Well #:	26
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C8
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093269**

API #:	0403707233	Well #:	29
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C9
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093272**

API #:	0403707236	Well #:	32
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

C10
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093297**

API #:	0403720612	Well #:	33
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

11
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005262**

API #:	0403705485	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Howard Oil Co., Inc.	Lease Name:	Mary
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

C12
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093259**

API #:	0403707223	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C13
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093266**

API #:	0403707230	Well #:	25
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

14
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005486**

API #:	0403705802	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	George R. Rider	Lease Name:	Lease by George R. Rider
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

D15
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093252**

API #:	0403707216	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

16
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093200**

API #:	0403707563	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

D17
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093232**

API #:	0403707596	Well #:	2-1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E18
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093257**

API #:	0403707221	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F19
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093255**

API #:	0403707219	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G20
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093234**

API #:	0403707598	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

E21
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093271**

API #:	0403707235	Well #:	31
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

22
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093282**

API #:	0403707246	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	The Termo Company	Lease Name:	Termo-Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E23
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093296**

API #:	0403723168	Well #:	35
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	SPUD Date:	Not Reported

24
South
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093250**

API #:	0403707214	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

H25
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093258**

API #:	0403707222	Well #:	15
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

G26
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093218**

API #:	0403707582	Well #:	21
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E27
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093256**

API #:	0403707220	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

F28
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093191**

API #:	0403700180	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

E29
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093263**

API #:	0403707227	Well #:	21
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

E30
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093251**

API #:	0403707215	Well #:	8
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H31
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG13000093262**

API #:	0403707226	Well #:	20
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

H32
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093194**

API #:	0403700874	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I33
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093229**

API #:	0403707593	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Government Refining & Gasoline Corp.Ltd.		
Lease Name:	Ramsey-Wallace	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

J34
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093233**

API #:	0403707597	Well #:	9-2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	Elsie
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

J35
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093221**

API #:	0403707585	Well #:	12
Well Status:	Plugged	Well Type:	OG
Operator Name:	Briles Manufacturing	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

I36
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093242**

API #:	0403707206	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Ruchti Petro. Co., Inc.	Lease Name:	Lease by Ruchti Petro. Co., Inc.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K37
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093192**

API #:	0403700181	Well #:	28
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K38
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093264**

API #:	0403707228	Well #:	22
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

L39
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093226**

API #:	0403707590	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M40
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093244**

API #:	0403707208	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	K. Sims	Lease Name:	Copinger-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L41
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093227**

API #:	0403707591	Well #:	1-A
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	E.S.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K42
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093294**

API #:	0403720650	Well #:	34
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

M43
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093230**

API #:	0403707594	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Signal Hill Petroleum, Inc.		
Lease Name:	Elsie Comm.	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	GPS
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

44
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093248**

API #:	0403707212	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K45
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093270**

API #:	0403707234	Well #:	30
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

K46
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093249**

API #:	0403707213	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

47
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093208**

API #:	0403707571	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

48
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093228**

API #:	0403707592	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Goodwin
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M49
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093225**

API #:	0403707589	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Corp.	Lease Name:	Grauman-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

50
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093209**

API #:	0403707572	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Elsie	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

N51
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093237**

API #:	0403707201	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

52
West
1/2 - 1 Mile

OIL_GAS **CAOG13000005352**

API #:	0403705566	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Larco Oil Co.	Lease Name:	Van
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

53
SSE **OIL_GAS** **CAOG13000093236**
1/2 - 1 Mile

API #:	0403707600	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Marathon Oil Company	Lease Name:	A. S. Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

54
SW **OIL_GAS** **CAOG13000093203**
1/2 - 1 Mile

API #:	0403707566	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

N55
SE **OIL_GAS** **CAOG13000093265**
1/2 - 1 Mile

API #:	0403707229	Well #:	23
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

O56
SW **OIL_GAS** **CAOG13000093199**
1/2 - 1 Mile

API #:	0403707562	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Converse	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

P57
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093211**

API #:	0403707575	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

P58
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093212**

API #:	0403707576	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Mccray	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

59
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093246**

API #:	0403707210	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q60
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093243**

API #:	0403707207	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Shell Western E&P Inc.	Lease Name:	Fortuna
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O61
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093204**

API #:	0403707567	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Silver Wing Oil Co.	Lease Name:	Guaranty-Wallace
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

62
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093247**

API #:	0403707211	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gough
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Q63
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093287**

API #:	0403707251	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

64
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093273**

API #:	0403707237	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

65
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093201**

API #:	0403707564	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

66
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093275**

API #:	0403707239	Well #:	3
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

67
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093290**

API #:	0403707254	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

68
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093224**

API #:	0403707588	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	El Segundo Oil Co.	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R69
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093219**

API #:	0403707583	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

70
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093277**

API #:	0403707241	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S71
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093281**

API #:	0403707245	Well #:	2
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

S72
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093280**

API #:	0403707244	Well #:	1
Well Status:	Active	Well Type:	OG
Operator Name:	El Segundo Oil, LLC	Lease Name:	El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

73
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093245**

API #:	0403707209	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Buffington
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

R74
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093195**

API #:	0403702332	Well #:	13
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

75
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093222**

API #:	0403707586	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Conoco Inc.	Lease Name:	Elsie Community
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

76
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093278**

API #:	0403707242	Well #:	7
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

77
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093274**

API #:	0403707238	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

78
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093288**

API #:	0403707252	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

T79
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093193**

API #:	0403700182	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

80
ESE
1/2 - 1 Mile

OIL_GAS **CAOG13000093210**

API #:	0403707573	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Atlantic Richfield Company		
Lease Name:	Howard	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

T81
SSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093279**

API #:	0403707243	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

82
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093285**

API #:	0403707249	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

83
SE
1/2 - 1 Mile

OIL_GAS **CAOG13000093197**

API #:	0403702334	Well #:	16
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

84
SSE
1/2 - 1 Mile

OIL_GAS **CAOG13000093220**

API #:	0403707584	Well #:	8
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Republic-El Segundo
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

85
WSW **OIL_GAS** **CAOG13000093202**
1/2 - 1 Mile

API #:	0403707565	Well #:	6
Well Status:	Plugged	Well Type:	OG
Operator Name:	Apex Petroleum Corporation, Ltd.		
Lease Name:	Elsie Community	Field Name:	El Segundo
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
SPUD Date:	Not Reported		

U86
SW **OIL_GAS** **CAOG13000093295**
1/2 - 1 Mile

API #:	0403720213	Well #:	9
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

87
SSE **OIL_GAS** **CAOG13000093215**
1/2 - 1 Mile

API #:	0403707579	Well #:	14
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

88
South **OIL_GAS** **CAOG13000093289**
1/2 - 1 Mile

API #:	0403707253	Well #:	5
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

89
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093286**

API #:	0403707250	Well #:	2
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Security
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

U90
SW
1/2 - 1 Mile

OIL_GAS **CAOG13000093293**

API #:	0403720294	Well #:	11
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

91
South
1/2 - 1 Mile

OIL_GAS **CAOG13000093276**

API #:	0403707240	Well #:	4
Well Status:	Plugged	Well Type:	OG
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Refinery
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

92
WSW
1/2 - 1 Mile

OIL_GAS **CAOG13000093231**

API #:	0403707595	Well #:	1
Well Status:	Plugged	Well Type:	OG
Operator Name:	Exxon Mobil Corporation	Lease Name:	El Segundo Construction Co.
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

93
SSE **OIL_GAS** **CAOG13000093216**
1/2 - 1 Mile

API #:	0403707580	Well #:	17
Well Status:	Plugged	Well Type:	OG
Operator Name:	Block Oil Co.	Lease Name:	Block
Field Name:	El Segundo	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90245	101	1

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS

PARTNER

Daniel Frizzell
Partner Associate

Education

B.A. in Business Administration - DeVry University, Long Beach, California

Training

Occupational Safety and Health Administration (OSHA) 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) and unexploded ordinance (UXO) safety and awareness training

Highlights

15 years of experience performing Property Condition Assessments and Environmental Site Assessments

Experience Summary

Mr. Frizzell has conducted hundreds of Phase I Environmental Site Assessments (ESAs) and Property Condition Assessments (PCAs), and many Americans with Disabilities Act (ADAs) reports over his 15-year career in the environmental consulting industry. He has served as a researcher, assessor, report writer, project manager and environmental tester. Mr. Frizzell has performed assessments on retail structures, office buildings, multi-unit residential properties, hotels, RV resorts, nursing homes, high-rise buildings, as well as warehouse and industrial properties. He has completed assessments for private individuals, banks, and engineering and consulting firms.

Mr. Frizzell has experience drafting/drawing residential and commercial buildings using AutoCAD and has excellent comprehension in reading plans. Mr. Frizzell also has experience with water sampling, quality assurance inspections, and mold inspections.

Project Experience

Property Condition Assessments

Irvine Spectrum Center, Irvine, California. The Site consists of an 87-acre, irregular-shaped lot developed with 29 buildings within an outdoor mall comprised of retail stores, entertainment and restaurants. The Site currently has 1,194,603 net rentable square feet with approximately 174 rental tenants at 98% occupancy. The 29 buildings include 3 ground-lease buildings. Recommended addressing all observed deficiencies that required immediate action because of existing or potentially unsafe (health and safety) conditions, obvious material building code violations, or conditions that had the potential to result in, or contribute to, the failure of a critical element of system failure within one year, or a significant escalation in repair costs if left uncorrected. Opinions of costs for Immediate Repairs were provided in an Immediate Repair Cost Table.

Residential Property, Clackamas, Oregon. Components or systems that required replacement reserves during the term were itemized with opinions of probable cost on a schedule titled Replacement Reserve Analysis. Based upon observations conducted during the property visit, no items were identified that were required as corrective work to remedy immediate physical needs. The Replacement Reserve Analysis was projected for the term of 10 years plus two years, for a total of 12 years and totaled $609,223.

Industrial Building, Broomfield, Colorado. The scope of work for this report is based upon the client scope of work and the American Society for Testing and Materials (ASTM) Standard E 2018-08. A Replacement Reserves Analysis was not a part of the scope of work. Only routine maintenance items were identified regarding immediate repairs.

Environmental Site Assessments

Retail Building, Temecula, California. This site is approximately 31.3 acres with 19 single-story retail buildings with a total of 295,947 rentable square feet, situated on 10 parcels of land. The property may have been impacted by a leaking underground storage tank (UST) on the abutting south Mobil Station #18-AOJ which is currently under investigation. A Phase II ESA was recommended for further investigation and analysis of the subject property.

AutoCAD Architectural Drafting/Drawings

Residential and Commercial Buildings, California. The scope of work for this work varies from small to large residential and commercial buildings. Drafting is done via AutoCAD and includes: land surveys, floor plans, reflected ceiling plans, roof plans, electrical/lighting plans, and interior and exterior elevations.

Education

M.A. Environmental Studies, Brown University
B.S. Biology, University of California, Los Angeles, Emphasis in Ecology, Behavior and Evolution

Registrations

EPA Accredited Asbestos Inspector
National Registry of Environmental Professionals: Registered Environmental Property Assessor (REPA)

Training

California Underground Storage Tank Inspector

Highlights

15 years in environmental service industry
14 years performing Phase I Environmental Site Assessments (ESAs), Environmental Transaction Screens, radon screening, asbestos inspections, and lead-based paint inspection
13 years of experience with multi-family properties, commercial properties, retail shopping centers, municipal and private airports, oil well properties, oil refineries, gas stations, dry cleaners, aerospace manufacturers, dry cleaning plants, hotels, auto dealership and repair facilities, and various manufacturing operations throughout the US
8 years of project management experience in Environmental Assessments, Property Condition Assessments, Physical Needs Assessments, seismic evaluations, and ALTA Surveys, compliance reports
5 years of project management experience in ESAs and PCAs for properties located in Mexico, Canada, the Caribbean, Southeast Asia and South Pacific

Experience Summary

Ms. Churchill has served as an environmental scientist, project manager, senior author, or client manager for projects associated with thousands of real estate transactions. Ms. Churchill is familiar with the due diligence requirements of a varied number of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), Freddie Mac, Fannie Mae DUS, and U.S. Small Business Administration's (SBA) SOP 50 10. She also has experience with fulfilling numerous customized client scopes of work. Furthermore, Ms. Churchill has working experience in performing biological and noise assessments, and in preparing and reviewing environmental documentation in support of CEPA and NEPA.

While in graduate school, Ms. Churchill's Masters Thesis research focused on evaluating the potential of Japanese Knotweed (an invasive plant species) as an effective phytoremediator of heavy metal contaminated soils along a historically polluted river in Rhode Island. Phytoremediation refers to the natural ability of certain plants called hyperaccumulators to bioaccumulate contaminants in soil. Hyperaccumulators can be grown and harvested economically, leaving the soil with a greatly reduced level of toxic contamination. This cost-effective approach to remediation has gained increasing popularity in both academic and practical circles.

Ms. Churchill previously worked for the City of El Segundo, where she regularly collaborated with other local CUPAs to ensure compliance with State and Federal regulations. Ms. Churchill's responsibilities included implementing and enforcing elements of the CUPA program including the following: hazardous waste generator program; underground storage tank program; Hazardous Material Release Response Plan

(Business Plan) Program and the California Accidental Release Response Plan (CalARP) Programs. Ms. Churchill also worked on enforcing city specific environmental programs such as Stormwater Pollution Prevention and Industrial Wastewater Discharge. As the Principal Environmental Specialist for the City, Ms. Churchill worked with large industries such as Chevron, Northrop Grumman, Boeing and International Rectifier to ensure regulatory compliance pertaining to business operations and remedial activities.

Project Experience

International Airport Portfolio. Project Manager and Senior Reviewer for Phase I ESAs and PCAs of a confidential acquisition of airport facilities throughout the South Pacific and Southeast Asia. The project involved working with many foreign agencies and coordinating dual scope site visits at all facilities within a 2-week time frame.

West Coast Gas Station Portfolio. Project Manager for limited PCAs of an acquisition of gas station/car wash facilities throughout California, Oregon and Washington.

Mexico Industrial Site Portfolio. Project Manager and Senior Reviewer for Phase I ESAs of an acquisition of industrial/warehouse facilities throughout Northern Mexico. The project involved coordinating site inspections of multiple industrial facilities with private security in high risk danger areas.

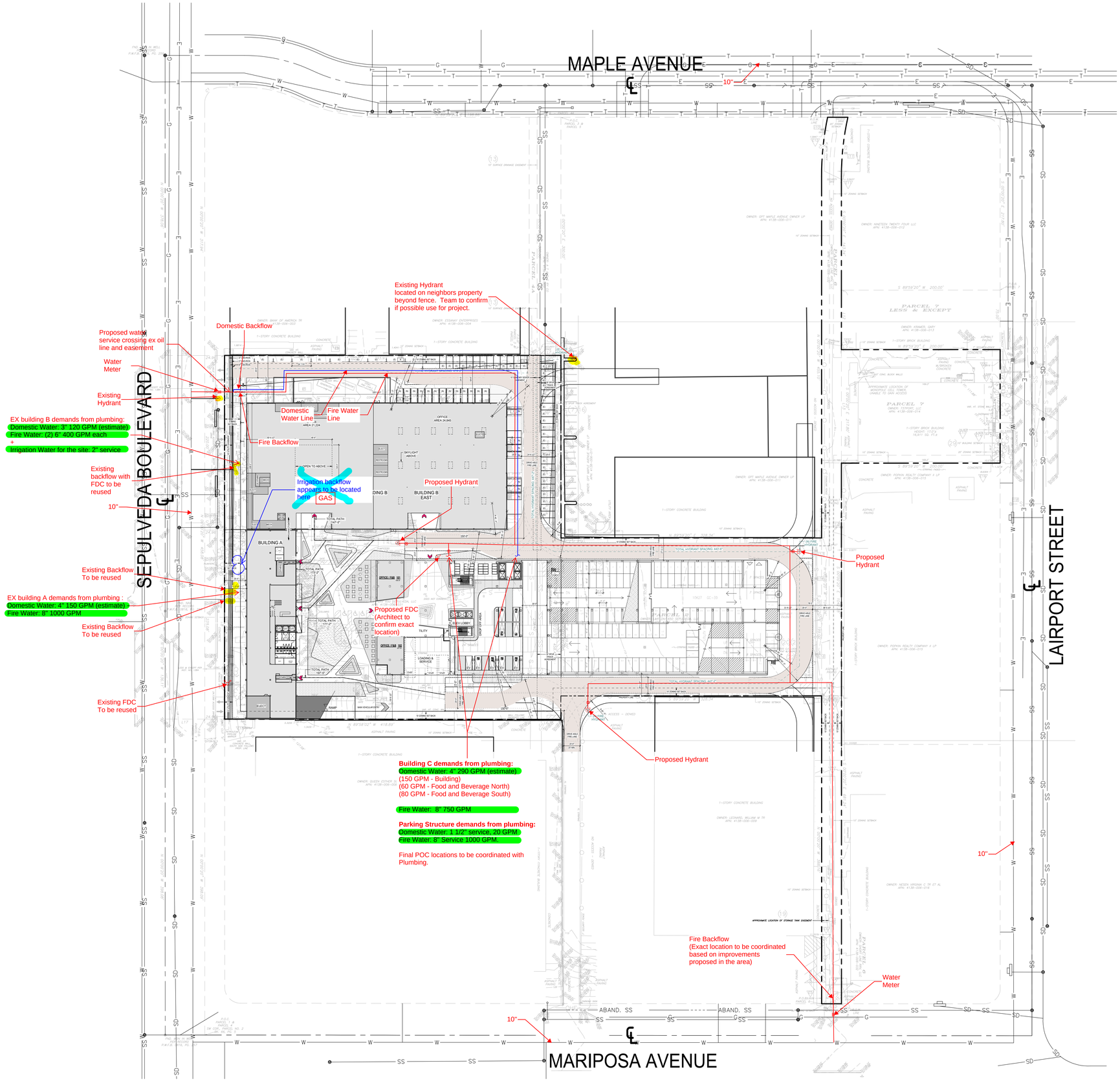
Office Tower Portfolio, Los Angeles. Project Manager and Senior Reviewer for Phase I ESAs of a $1.34 Billion acquisition of Class A office buildings in Los Angeles.

Freddie Mac Multi-Scope Portfolio. Project Manager and Senior Reviewer for Phase I ESAs, PCAs and PMLs of an acquisition of multifamily apartment complexes throughout Southern California. The project involved coordinating three different scopes of specially qualified assessors to conduct site visits with radon and ACM sampling.

Contact

lchurchill@partneresi.com

APPENDIX F
Low Impact Development Plan



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CONSULTANTS

STAMP

REVISIONS		
DATE	△	ISSUED FOR
XX/XX/XX	1	DESCRIPTION

DATE	XX.XX.XX
PROJECT NUMBER	XXXXXX
DESIGNED BY	XX
DRAWN BY	XX
CHECKED BY	XX
SCALE	AS SPECIFIED

KEY MAP

PROJECT DESCRIPTION
PROJECT NAME
XXXX LOS ANGELES AVENUE
LOS ANGELES, CA 9XXXX

DRAWING TITLE
OVERALL

SHEET NUMBER (EXHIBIT NUMBER)
EX-2

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1. Low Impact Development [LID] Storm Water Management

The project storm water management design will be required to comply with the City of El Segundo LID requirements. The first flush (85th percentile annual rainstorm) of storm run-off will need to be either:

- Infiltrated in the soils, by mean of deep infiltration wells or shallow infiltration trenches;
- Captured in a cistern and treated for on-site re-use [irrigation);
- Filtered through bio-retention planters and released.

LID design will be reviewed by the City of El Segundo Building and Safety Division. In the City of El Segundo, infiltration is the first tier of stormwater management design that should be considered to satisfy LID. If infiltration is deemed infeasible by the geotechnical engineer, the second tier of capture and re-use may need to be considered. If capture and re-use is deemed infeasible, perhaps due to the amount of landscaping provided on site being less than the required amount of landscaping needed to utilize the stormwater captured in the cistern, then the last tier of biofiltration/bioretention can be explored to satisfy LID requirements.

The type of storm water management system selected will primarily depend on whether the soils are suitable for infiltration. We anticipate the geotechnical engineer to provide this assessment and provide design criteria for the storm water management system.

The LID volume calculations for the project depend on the total project area of disturbance. This includes all existing at grade surfaces being altered, existing buildings roofs areas modifications impacting the existing roof drainage pattern and areas to be excavated within the existing buildings footprints for structural reasons.

Based on the County of Los Angeles guidelines followed by the City of El Segundo Building and Safety Division in charge of reviewing proposed LID designs:

- "Where 50 percent or more of the impervious surface of a previously developed site is proposed to be altered and the previous development project was not subject to post-construction stormwater quality control measures, the entire development site [e.g., both the existing development and the proposed alteration) must meet the requirements of the LID Standards Manual.

- Where less than 50 percent of the impervious surface of a previously developed site is proposed to be altered and the previous development project was not subject to post-construction stormwater quality control measures, only the proposed alteration must meet the requirements of the LID Standards Manual."

Based on these guidelines, preliminary LID stormwater mitigation volumes to be considered for the project are as follows:

- Up to 11,402 cubic feet if the project disturbed area is limited to 50% or less of the total project area.

- 22,804 cubic feet is the project disturbed area is more than 50% of the total project area.

Here below is a breakdown of possible storm water management systems based on the selected Tier.

Tier 1 Design [Infiltration]

LID System components may include:

a. Pre-treatment: CDS units or downspout filters;
b. Temporary stormwater detention system: tanks [masonry or prefabricated) and/or detention pipes located on-site. The capacity of the storage system will equate approximately to the LID stormwater mitigation volume;
Drywell[s): passive vertical underground wells located on-site - away from buildings footings and private property lines per LID regulations - to inject storm runoff into the soils. Number and depth of drywells required is dependent on percolation test results which is to be provided by the Geotechnical engineer. We understand the percolation test[s) have not been performed yet but are being planned with the rest of the geotechnical investigation.
c. Overflow outlet[s) to public storm drain or street.

Storm drainage flow from roof downspouts is first routed to the pre-treatment system[s), prior to being discharged into the detention system[s) and drywell[s).

Tier 2 Design [Capture and Re-use]

The project needs to include sufficient landscaped areas to justify this

design. LID System components may include:

a. Pre-treatment: CDS units or downspout filters;
b. Permanent storage tank[s): masonry or prefabricated tank[s) located

on- site. The capacity of the tank[s) will equate approximately to the LID stormwater mitigation volume. Prefabricated tanks need to have a third-party rating [UL or other);

c. Pump and treatment skid [if required);
d. Connection to irrigation system;
e. Overflow outlet[s) to public storm drain or street.

Storm drainage flow from roof downspouts is first routed to the pre-treatment system[s), prior to being discharged into the permanent storage tank[s), where it can then be used for irrigation on site.

Tier 2 designs require review and approval by the County Health Department, in addition to the City Department of Building and Safety.

Tier 3 Design [Biofiltration "Flow Through Planters"]

This tier requires the project to capture 1.5 times the amount of storm water required for the previous two tiers. The required volume will dictate the minimum required area of flow through planters.

LID System Components may include:

a. All roof downspouts to be routed to flow through planters;
b. Engineered media in flow through planters to treat the stormwater;
c. Perforated underdrain to collect the treated stormwater;
d. Connection to a storm drain system on site;
e. Overflow to public storm drain or street.

The amount of storm water to be mitigated will depend on the amount of hardscape or roof areas that is constructed. Permeable pavement, landscape areas or green roofs can help reduce the amount of storm run-off that requires mitigation.

APPENDIX G
Noise Impact Analysis

NOISE IMPACT ANALYSIS

THE 650 PCH PROJECT

CITY OF EL SEGUNDO

Lead Agency:

City of El Segundo
Planning and Building Safety Department
350 Main Street
El Segundo, CA 90245

Prepared by:

Vista Environmental
1021 Didrickson Way
Laguna Beach, CA 92651
949 510 5355
Greg Tonkovich, INCE

Project No. 20091

January 26, 2021

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ACRONYMS AND ABBREVIATIONS

ANSI	American National Standards Institute
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
City	City of El Segundo
CNEL	Community Noise Equivalent Level
dB	Decibel
dBA	A-weighted decibels
DOT	Department of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
EPA	Environmental Protection Agency
Hz	Hertz
Ldn	Day-night average noise level
Leq	Equivalent sound level
Lmax	Maximum noise level
ONAC	Federal Office of Noise Abatement and Control
OSB	Oriented Strand Board
OSHA	Occupational Safety and Health Administration
PPV	Peak particle velocity
RMS	Root mean square
SEL	Single Event Level or Sound Exposure Level
STC	Sound Transmission Class
UMTA	Federal Urban Mass Transit Administration
VdB	Vibration velocity level in decibels

1.0 EXECUTIVE SUMMARY

1.1 Purpose of Analysis and Study Objectives

This Noise Impact Analysis has been prepared to determine the noise impacts associated with the proposed 650 PCH Project (proposed project). The following is provided in this report:

- A description of the study area and the proposed project;
- Information regarding the fundamentals of noise;
- Information regarding the fundamentals of vibration;
- A description of the local noise guidelines and standards;
- An evaluation of the current noise environment;
- An analysis of the potential short-term construction-related noise impacts from the proposed project; and,
- An analysis of long-term operations-related noise impacts from the proposed project.

1.2 Site Location and Study Area

The project site is located in the City of El Segundo (City) at 650 and 700 North Pacific Coast Highway and 737 Carl Jacobson Way. The approximately 7.2-acre project site is currently developed with office buildings and surface parking lots. The existing onsite improvements are detailed below:

- 650 N. P Pacific Coast Highway (Parcels 1 and 3 above) has an existing gross floor area of 128,544 square feet. Net floor area is 98,885 square feet.
- 700 N. Pacific Coast Highway (Parcels 4 and 5 above) has an existing gross floor area of 78,512 square feet. Existing net floor area is 69,692 square feet.
- 737 Carl Jacobson Way has an existing gross floor area of 17,000 square feet. The net floor area is 16,652 square feet. Please note that while 737 Carl Jacobson Way and the existing building on the property is a part of the property and the project, no changes are contemplated to this building at this time as there is an existing long-term tenant at this building.

The entire project site is bounded by a fast-food restaurant (Chick-fil-A) and industrial buildings to the north, industrial buildings to the east, a shopping center and an industrial building to the south, and Pacific Coast Highway to the west. The project study area is shown in Figure 1.

Sensitive Receptors in Project Vicinity

The nearest sensitive receptors to the project site are residents at the multi-family homes along E Palm Avenue and Indiana Court located as near as 270 feet west of the project site. The nearest school is Center Street Elementary School at 700 Center Street, El Segundo, that is located as near as 1,800 feet (0.34 mile) west of the project site.

1.3 Proposed Project Description

The proposed project would involve the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway (“Building A”) and 700 North Pacific Coast Highway (“Building B”). In

addition, the project includes the demolition of the existing surface parking lot and construction of a new 7-story office building with an integrated parking structure ("Building C"). In addition, the project will consolidate the seven parcels of land into a single 7.258-acre ground parcel through the proposed Vesting Tentative Parcel Map No. 83129. The gross and net square footages for each building in the project are as follows:

- Building A: 130,526 gross square feet; 99,916 net square feet;
- Building B: 77,309 gross square feet; 65,120 net square feet;
- Building C: 122,156 gross square feet, inclusive of the terraces and balconies; 70,021 net square feet.

The project would provide a total of 1,256 parking spaces to serve the office uses at the property and potentially other nearby parcels that do not have adequate parking. The proposed Building C would provide parking within an integrated parking structure that will have 1,185 spaces. Also, the existing surface parking areas on the north and east side of Building B will remain. The surface parking areas include 51 existing standard parking space and 20 new standard parking spaces for a total of 71 standard parking spaces. The proposed site plan is shown in Figure 2.

1.4 Standard Noise Regulatory Conditions

The proposed project will be required to comply with the following regulatory conditions from the City of El Segundo and State of California.

City of El Segundo Noise and Vibration Regulations

The following lists the noise and vibration regulations from the Municipal Code that are applicable, but not limited to the proposed project.

- Section 7-2-4: Noise Standards
- Section 7-2-9: Vibration Limits
- Section 7-2-10(D): Construction Noise Exemptions

State of California Noise Regulations

The following lists the State of California noise regulations that are applicable, but not limited to the proposed project.

- California Vehicle Code Section 2700-27207 – On Road Vehicle Noise Limits
- California Vehicle Code Section 38365-38350 – Off-Road Vehicle Noise Limits

1.5 Summary of Analysis Results

The following is a summary of the proposed project's impacts with regard to the State CEQA Guidelines noise checklist questions.

Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than significant impact.

Generation of excessive groundborne vibration or groundborne noise levels?

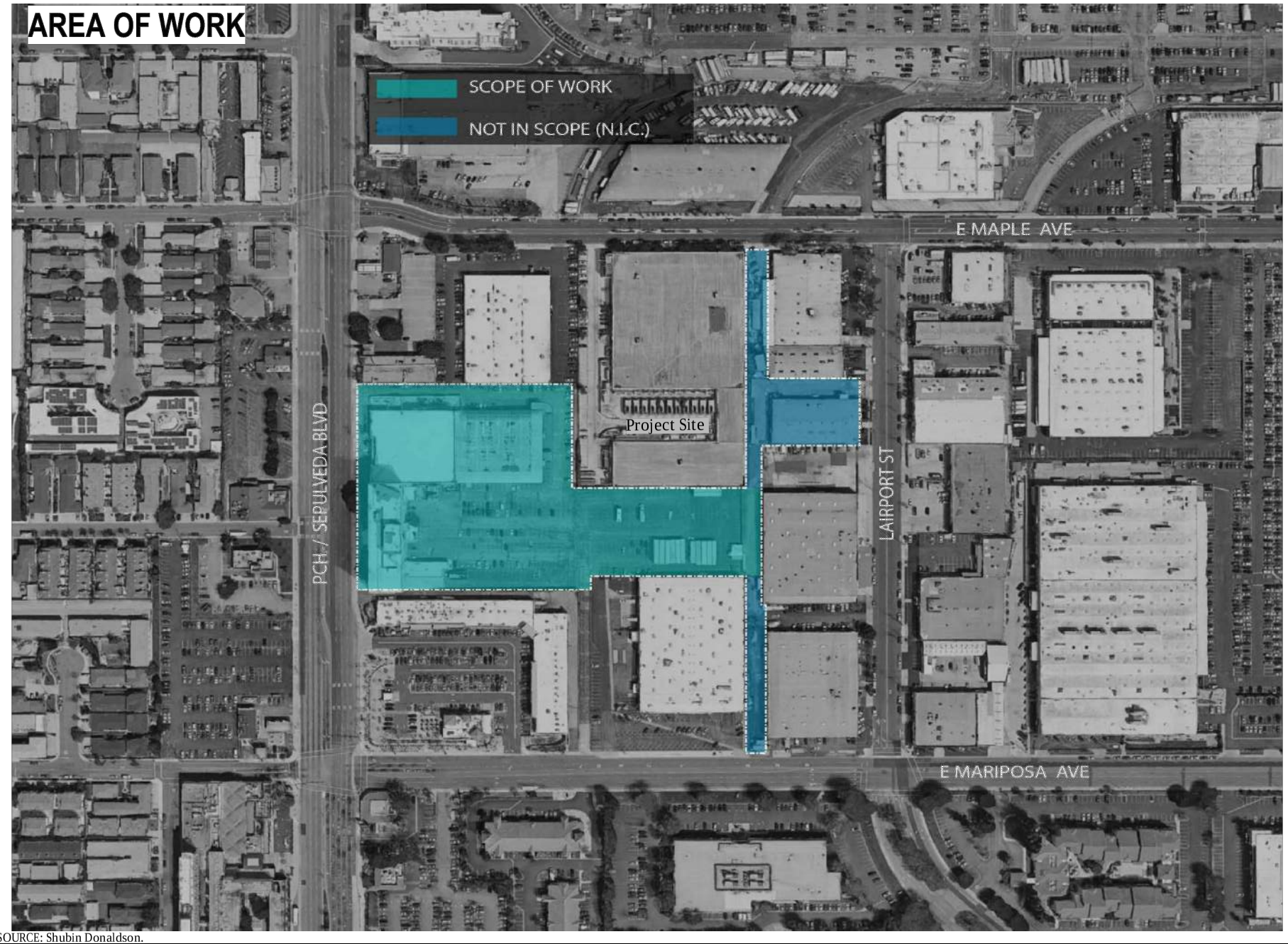
Less than significant impact.

For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less than significant impact.

1.6 Mitigation Measures for the Proposed Project

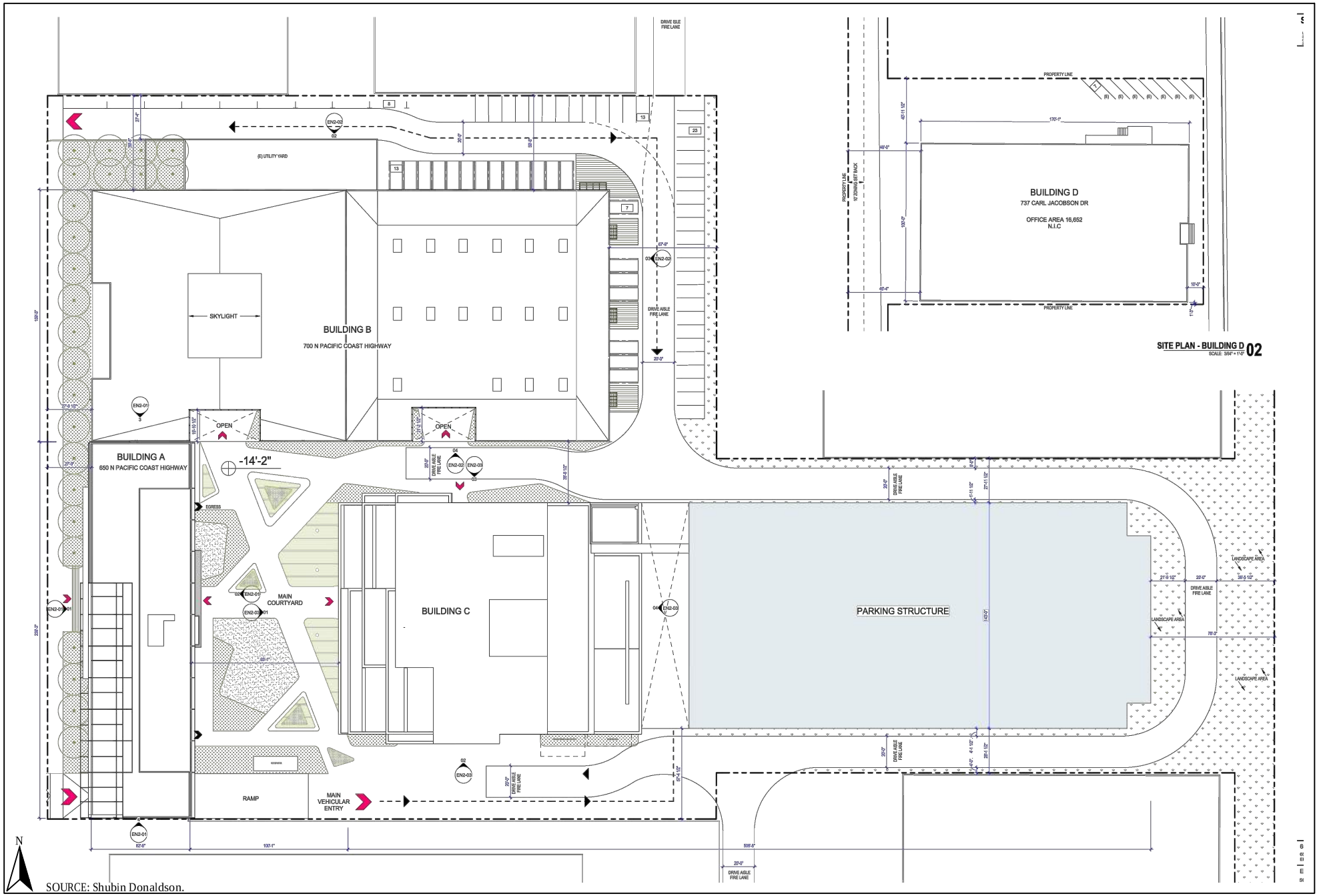
This analysis found that through adherence to the noise and vibration regulations detailed in Section 1.4 above, all noise and vibration impacts would be reduced to less than significant levels and no mitigation is required.



SOURCE: Shubin Donaldson.

VISTA ENVIRONMENTAL

Figure 1
Project Location Map



SOURCE: Shubin Donaldson.

VISTA ENVIRONMENTAL

Figure 2
Proposed Site Plan

2.0 NOISE FUNDAMENTALS

Noise is defined as unwanted sound. Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm or when it has adverse effects on health. Sound is produced by the vibration of sound pressure waves in the air. Sound pressure levels are used to measure the intensity of sound and are described in terms of decibels. The decibel (dB) is a logarithmic unit which expresses the ratio of the sound pressure level being measured to a standard reference level. A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies which are audible to the human ear.

2.1 Noise Descriptors

Noise Equivalent sound levels are not measured directly, but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (Leq) represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The peak traffic hour Leq is the noise metric used by California Department of Transportation (Caltrans) for all traffic noise impact analyses.

The Day-Night Average Level (Ldn) is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time of day corrections require the addition of ten decibels to sound levels at night between 10 p.m. and 7 a.m. The Community Noise Equivalent Level (CNEL) is similar to the Ldn, except that it has an added 4.77 decibels to sound levels during the evening hours between 7 p.m. and 10 p.m. These additions are made to the sound levels at these time periods because during the evening and nighttime hours, when compared to daytime hours, there is a decrease in the ambient noise levels, which creates an increased sensitivity to sounds. For this reason the sound appears louder in the evening and nighttime hours and is weighted accordingly. The City of El Segundo also relies on the CNEL noise standard to assess transportation-related impacts on noise sensitive land uses.

2.2 Tone Noise

A pure tone noise is a noise produced at a single frequency and laboratory tests have shown that humans are more perceptible to changes in noise levels of a pure tone. For a noise source to contain a “pure tone,” there must be a significantly higher A-weighted sound energy in a given frequency band than in the neighboring bands, thereby causing the noise source to “stand out” against other noise sources. A pure tone occurs if the sound pressure level in the one-third octave band with the tone exceeds the average of the sound pressure levels of the two contiguous one-third octave bands by:

- 5 dB for center frequencies of 500 hertz (Hz) and above
- 8 dB for center frequencies between 160 and 400 Hz
- 15 dB for center frequencies of 125 Hz or less

2.3 Noise Propagation

From the noise source to the receiver, noise changes both in level and frequency spectrum. The most obvious is the decrease in noise as the distance from the source increases. The manner in which noise reduces with distance depends on whether the source is a point or line source as well as ground absorption, atmospheric effects and refraction, and shielding by natural and manmade features. Sound

from point sources, such as air conditioning condensers, radiate uniformly outward as it travels away from the source in a spherical pattern. The noise drop-off rate associated with this geometric spreading is 6 dBA per each doubling of the distance (dBA/DD). Transportation noise sources such as roadways are typically analyzed as line sources, since at any given moment the receiver may be impacted by noise from multiple vehicles at various locations along the roadway. Because of the geometry of a line source, the noise drop-off rate associated with the geometric spreading of a line source is 3 dBA/DD.

2.4 Ground Absorption

The sound drop-off rate is highly dependent on the conditions of the land between the noise source and receiver. To account for this ground-effect attenuation (absorption), two types of site conditions are commonly used in traffic noise models, soft-site and hard-site conditions. Soft-site conditions account for the sound propagation loss over natural surfaces such as normal earth and ground vegetation. For point sources, a drop-off rate of 7.5 dBA/DD is typically observed over soft ground with landscaping, as compared with a 6.0 dBA/DD drop-off rate over hard ground such as asphalt, concrete, stone and very hard packed earth. For line sources a 4.5 dBA/DD is typically observed for soft-site conditions compared to the 3.0 dBA/DD drop-off rate for hard-site conditions. Caltrans research has shown that the use of soft-site conditions is more appropriate for the application of the Federal Highway Administration (FHWA) traffic noise prediction model used in this analysis as most ground surfaces between the source and receptor will provide some noise absorption.

3.0 GROUND-BORNE VIBRATION FUNDAMENTALS

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors, since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

3.1 Vibration Descriptors

There are several different methods that are used to quantify vibration amplitude such as the maximum instantaneous peak in the vibrations velocity, which is known as the peak particle velocity (PPV) or the root mean square (rms) amplitude of the vibration velocity. Due to the typically small amplitudes of vibrations, vibration velocity is often expressed in decibels and is denoted as (L_v) and is based on the rms velocity amplitude. A commonly used abbreviation is vibration decibels (VdB), which in this text, is when L_v is based on the reference quantity of 1 micro inch per second.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Off-site sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration.

3.3 Vibration Propagation

The propagation of ground-borne vibration is not as simple to model as airborne noise. This is due to the fact that noise in the air travels through a relatively uniform median, while ground-borne vibrations travel through the earth which may contain significant geological differences. There are three main types of vibration propagation; surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wave front, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wave front. However, unlike P-waves, the particle motion is transverse or "side-to-side and perpendicular to the direction of propagation."

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 REGULATORY SETTING

The project site is located in the City of El Segundo. Noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Promulgating noise emission standards for interstate commerce
- Assisting state and local abatement efforts
- Promoting noise education and research

The Federal Office of Noise Abatement and Control (ONAC) was initially tasked with implementing the Noise Control Act. However, the ONAC has since been eliminated, leaving the development of federal noise policies and programs to other federal agencies and interagency committees. For example, the Occupational Safety and Health Administration (OSHA) agency prohibits exposure of workers to excessive sound levels. The Department of Transportation (DOT) assumed a significant role in noise control through its various operating agencies. The Federal Aviation Administration (FAA) regulates noise of aircraft and airports. Surface transportation system noise is regulated by a host of agencies, including the Federal Transit Administration (FTA). Transit noise is regulated by the federal Urban Mass Transit Administration (UMTA), while freeways that are part of the interstate highway system are regulated by the Federal Highway Administration (FHWA). Finally, the federal government actively advocates that local jurisdictions use their land use regulatory authority to arrange new development in such a way that "noise sensitive" uses are either prohibited from being sited adjacent to a highway or, alternately that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Although the proposed project is not under the jurisdiction of the FTA, the FTA is the only agency that has defined what constitutes a significant noise impact from implementing a project. The FTA standards are based on extensive studies by the FTA and other governmental agencies on the human effects and reaction to noise and a summary of the FTA findings are provided below in Table A.

Table A – FTA Project Effects on Cumulative Noise Exposure

Existing Noise Exposure (dBA Leq or Ldn)	Allowable Noise Impact Exposure dBA Leq or Ldn		
	Project Only	Combined	Noise Exposure Increase
45	51	52	+7
50	53	55	+5
55	55	58	+3
60	57	62	+2
65	60	66	+1
70	64	71	+1
75	65	75	0

Source: Federal Transit Administration, 2018.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by transportation sources, the City is restricted to regulating noise generated by the transportation system through nuisance abatement ordinances and land use planning.

4.2 State Regulations

Noise Standards

California Department of Health Services Office of Noise Control

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the "Land Use Compatibility for Community Noise Environments Matrix," which allows the local jurisdiction to clearly delineate compatibility of sensitive uses with various incremental levels of noise.

California Noise Insulation Standards

Title 24, Chapter 1, Article 4 of the California Administrative Code (California Noise Insulation Standards) requires noise insulation in new hotels, motels, apartment houses, and dwellings (other than single-family detached housing) that provides an annual average noise level of no more than 45 dBA CNEL. When such structures are located within a 60-dBA CNEL (or greater) noise contour, an acoustical analysis is required to ensure that interior levels do not exceed the 45-dBA CNEL annual threshold. In addition, Title 21, Chapter 6, Article 1 of the California Administrative Code requires that all habitable rooms, hospitals, convalescent homes, and places of worship shall have an interior CNEL of 45 dB or less due to aircraft noise.

Government Code Section 65302

Government Code Section 65302 mandates that the legislative body of each county and city in California adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable.

Vibration Standards

Title 14 of the California Administrative Code Section 15000 requires that all state and local agencies implement the California Environmental Quality Act (CEQA) Guidelines, which requires the analysis of exposure of persons to excessive groundborne vibration. However, no statute has been adopted by the state that quantifies the level at which excessive groundborne vibration occurs.

Caltrans issued the *Transportation- and Construction-Induced Vibration Guidance Manual* in 2004. The manual provides practical guidance to Caltrans engineers, planners, and consultants who must address vibration issues associated with the construction, operation, and maintenance of Caltrans projects. However, this manual is also used as a reference point by many lead agencies and CEQA practitioners throughout California, as it provides numeric thresholds for vibration impacts. Thresholds are established for continuous (construction-related) and transient (transportation-related) sources of vibration, which found that the human response becomes distinctly perceptible at 0.25 inch per second PPV for transient sources and 0.04 inch per second PPV for continuous sources.

4.3 Local Regulations

The City of El Segundo General Plan and Municipal Code establishes the following applicable policies related to noise and vibration.

City of El Segundo General Plan

The City of El Segundo adopted their General Plan in 1992. The General Plan sets the long-term goals and policies that decision makers use to guide the growth and development in the City; and the Noise Element establishes the goals and policies associated with noise exposure within the City. Goals and policies that are applicable to implementation of the proposed project are presented below.

Goal N 1: Encourage a high quality environmental within all parts of the City of El Segundo where the public's health, safety, and welfare are not adversely affected by excessive noise.

Objectives & Policies

Objective N 1-1	It is the objective of the City of El Segundo to ensure that City residents are not exposed to mobile noise levels in excess of the interior and exterior noise standards or the single event noise standards specified in the El Segundo Municipal Code.
Policy N1-1.1	Continue to work for the elimination of adverse noise sources, especially from Los Angeles International Airport West Imperial Terminal, and from helicopter and aircraft flyovers.
Policy N1-1.2	Play an active role in the planning process associated with preparation of the Los Angeles International Airport Master Plan.
Policy N1-1.3	Continue to work with the City of Los Angeles Department of Airports to reduce the noise-impacted area around Los Angeles International Airport to zero.
Policy N1-1.4	Consider noise impacts from traffic arterials and railroads, as well as aircraft, when identifying potential new areas for residential land use.
Policy N1-1.5	Encourage state inspection and enforcement of noise standards for motor vehicles, including those involved in public transit.
Policy N1-1.6	Encourage the State Department of Transportation (DOT) to conduct an active highway noise abatement program with scenic/aesthetic consideration for Sepulveda Boulevard (State Route 1).
Policy N1-1.7	Monitor California Department of Transportation and Los Angeles County Transportation Commission noise abatement measures aimed at minimizing noise impacts associated with the I-105 Freeway and the Metro Rail Green Line.
Policy N1-8	Continue to develop zoning, subdivision, and development controls to prevent future encroachment of noise-sensitive uses into present or planned industrial or transportation system noise-impacted zones where adverse effects cannot be adequately mitigated.
Policy N1-9	Require review of all new development projects in the City for conformance with California Airport Noise Regulations and California Noise Insulation Standards (CCR Title 24) to ensure interior noise will not exceed acceptable levels.

Policy N1-10	Continue to develop and implement City programs to incorporate noise reduction measures into existing residential development where interior noise levels exceed acceptable standards.
Objective N 1-2	It is the objective of the City of El Segundo to ensure that City residents are not exposed to stationary noise levels in excess of El Segundo's Noise Ordinance standards.
Policy N1-2.1	Require all new projects to meet the City's Noise Ordinance Standards as a condition of building permit approval.
Objective N 1-3	It is the objective of the City of El Segundo that the City maintain intergovernmental coordination and public information programs which are highly efficient in their noise abatement efforts.
Policy N1-3.1	Encourage site planning to be consistent with the existing and future noise environment and promote development standards in which noise-sensitive projects and residences are mitigated from major noise sources. Shon-term and long-term noise control measures should be formulated in a manner compatible with community needs and expectations.
Policy N1-3.2	Work to remove non-conforming land uses (mixed usage such as residential uses in commercial or industrial land use designations) which result in noise incompatibility.
Policy N1-3.3	Employ effective noise mitigation techniques through appropriate provisions in the building code, subdivision procedures, and zoning and noise ordinances.
Policy N1-3.4	Urge continued federal and state research into noise problems and recommend additional research programs as problems are identified.
Policy N1-3.5	Support a continuous effort to evaluate noise levels in the City of El Segundo and to reduce unacceptable noise levels through the planning process.

City of El Segundo Municipal Code

Chapter 2 Noise and Vibration of the City of El Segundo Municipal Code sets forth the noise standards and regulations for noise related sources within the City.

7-2-4 Noise Standards

No person shall, at any location within the City, create any noise, nor shall any person allow the creation of any noise within the person's control of public or private property, which causes the noise level when measured on any other property, to exceed the applicable noise standards, except as set forth in subsection C1 of this Section.

A. Residential Property: **Five (5) dBA above the ambient noise level**.

B. Commercial and Industrial Property: **Eight (8) dBA above the ambient noise level**.

C. Adjustments:

   1. Increases to the noise standards as set forth in subsections A and B of this Section may be permitted in accordance with the following:

Noise Standards Adjustments	
Permitted Increase (dBA)	**Duration of Increased Minutes)[1]**
0	30
5	15
10	5
15	1
20	Less than 1

Note:
[1] Cumulative minute during any one hour
Source: City of El Segundo, 2020.

2. If the receptor property is located on a boundary between two (2) different noise zones, the lower noise level standard applicable to the quieter zone shall apply.

7-2-8 Special Prohibitions.

The following acts, and the causing therefor, are declared to be in violation of the Noise and Vibration Chapter of the Municipal Code if they occur in such a manner as to disturb the peace, quiet, and comfort of any reasonable person of normal sensitivity residing in the area; and occur:

A. Between the hours of 10:00 PM and 7:00 AM:

1. Operating, playing or permitting the operation or playing of any radio, television, phonograph, drum, musical instrument, sound amplifier, or similar device which produces, reproduces or amplifies sound.
2. Using or operating any loudspeaker, public address system or similar device.
3. Loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans, or similar objects.

B. Between the hours of 8:00 PM and 7:00 AM:

1. Refuse collection vehicles:
    a. Collection of refuse with a collection vehicle in a residential area or within five hundred feet (500') thereof;
    b. Operation or permitting the operation of the compacting mechanism of any motor vehicle which compacts refuse in a residential area or within five hundred feet (500') thereof.
2. Loudspeakers/Public Address Systems: Using or operating for any commercial purpose any loudspeaker, public address system, or similar device on a public right of way or public space.
3. Powered Model: Operating or permitting the operation of powered models

7-2-9 Vibration.

Notwithstanding other sections of the Noise and Vibration Chapter of the Municipal Code, a person shall not create, maintain or cause any ground vibration which is perceptible, without the use of instructions, to any reasonable person of normal sensitivity at any point on any affected property.

7-2-10 Exemptions.

The following actives shall be exempted from the provisions of the Noise and Vibration Chapter of the Municipal Code:

A. School And Park Facilities: Authorized activities conducted on public school grounds and City park facilities, associated with normal operation of the facilities including, but not limited to, school and public athletic and entertainment events.

B. Mechanical Or Electronic Devices: Any mechanical or electronic device, apparatus or equipment used, related to or connected with emergency machinery, vehicle, work or warning alarm or bell, provided the sounding of any bell or alarm on any building or motor vehicle shall terminate its operation within fifteen (15) minutes of its activation.

C. Public Speaking Or Assemblies: Noncommercial public speaking and public assembly activities conducted on any public space or public right of way without the use of sound amplification equipment.

D. Construction Noise: Noise sources associated with or vibration created by construction, repair, or remodeling of any real property, provided said activities do not take place between the hours of six o'clock (6:00) P.M. and seven o'clock (7:00) A.M. Monday through Saturday, or at any time on Sunday or a Federal holiday, and provided the noise level created by such activities does not exceed the noise standard of **sixty five (65) dBA** plus the limits specified in subsection 7-2-4C of this Chapter as measured on the receptor residential property line and provided any vibration created does not endanger the public health, welfare and safety.

E. Real Property Maintenance: Noise sources associated with the maintenance of real property, provided said activities take place between the hours of seven o'clock (7:00) A.M. and eight o'clock (8:00) P.M. on any day except Sunday, or between the hours of nine o'clock (9:00) A.M. and eight o'clock (8:00) P.M. on Sunday.

F. Activities Preempted By State Or Federal Law: Any activity to the extent regulation thereof has been preempted by State or Federal law, including, but not limited to, aircraft, motor vehicles, railroads and other interstate carriers.

5.0 EXISTING NOISE CONDITIONS

To determine the existing noise levels, noise measurements have been taken in the vicinity of the project site. The field survey noted that noise within the proposed project area is generally characterized by vehicle traffic on Pacific Coast Highway, which is located adjacent to the west side of the project site as well as industrial noises created from the industrial buildings on the east side of the project site. The following describes the measurement procedures, measurement locations, noise measurement results, and the modeling of the existing noise environment.

5.1 Noise Measurement Equipment

The noise measurements were taken using three Larson Davis Model LXT1 Type 1 sound level meters programmed in "slow" mode to record the sound pressure level at 1-second intervals for 24 hours in "A" weighted form. In addition, the L_{eq} averaged over the entire measuring time and L_{max} were recorded with both sound level meters. The sound level meters and microphones were mounted on fences in the vicinity of the nearby homes west of the project site and on the project site. The noise meters were mounted on fences and poles that were placed between four and six feet above the ground and were equipped with windscreens during all measurements. The noise meters were calibrated before and after the monitoring using a Larson Davis Cal200 calibrator. All noise level measurement equipment meets American National Standards Institute specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA).

Noise Measurement Locations

The noise monitoring locations were selected in order to obtain the existing noise levels on the project site and at the nearest residential uses located to the west of the project site. Descriptions of the noise monitoring sites are provided below in Table B and Appendix A includes a photo index of the study area and noise level measurement locations.

Noise Measurement Timing and Climate

The noise measurements were recorded between 12:29 p.m. on Tuesday, November 24, 2020 and 12:47 p.m. on Wednesday, November 25, 2020. At the start of the noise measurements, the sky was clear (no clouds), the temperature was 66 degrees Fahrenheit, the humidity was 42 percent, barometric pressure was 29.89 inches of mercury, and the wind was blowing around two miles per hour. Overnight, the temperature dropped to 51 degrees Fahrenheit. At the conclusion of the noise measurements, the sky was clear, the temperature was 64 degrees Fahrenheit, the humidity was 64 percent, barometric pressure was 29.93 inches of mercury, and the wind was blowing around six miles per hour.

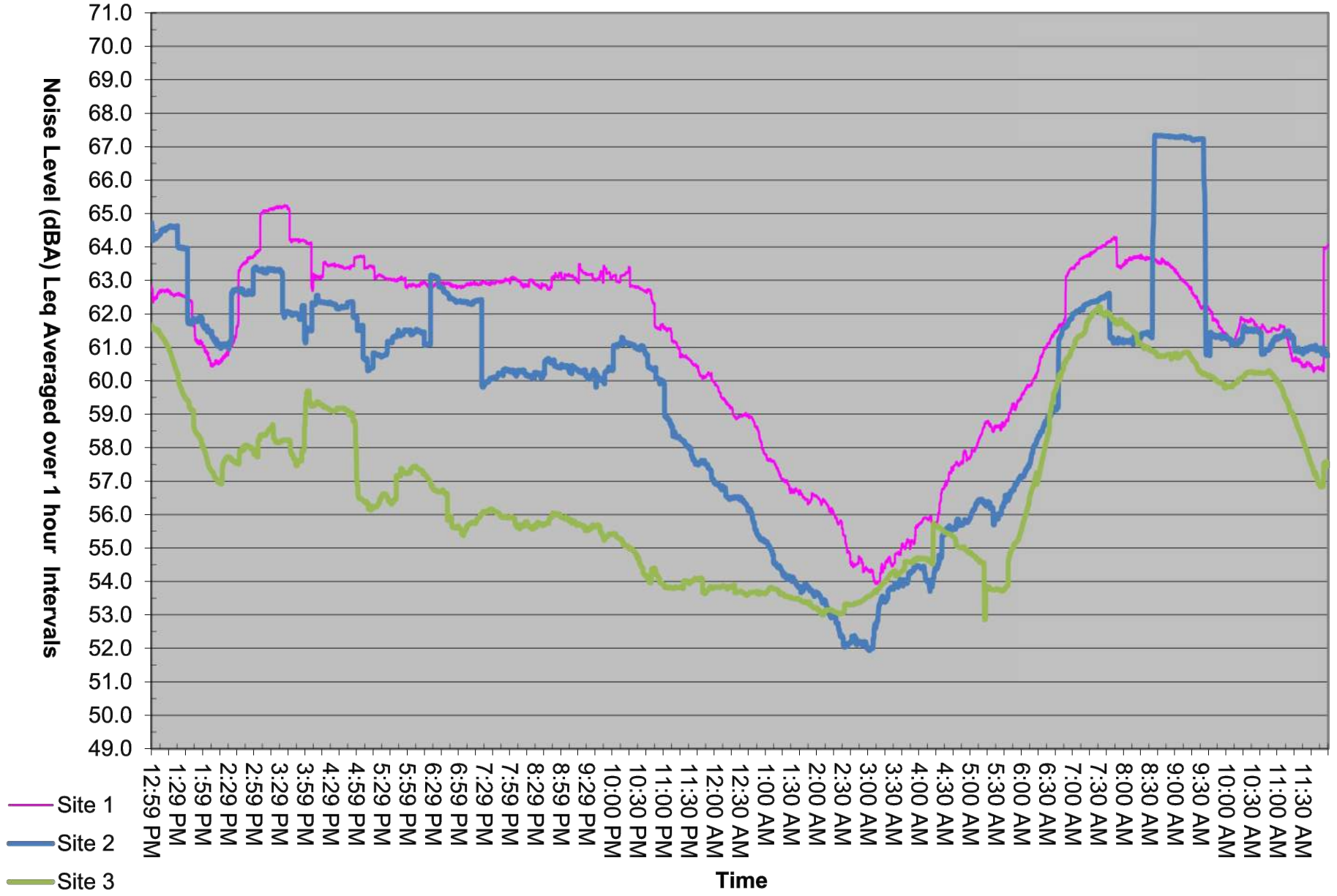
5.2 Noise Measurement Results

The results of the noise level measurements are presented in Table B. The measured sound pressure levels in dBA have been used to calculate the minimum and maximum L_{eq} averaged over 1-hour intervals. Table B also shows the L_{eq}, L_{max}, and CNEL, based on the entire measurement time. The noise monitoring data printouts are included in Appendix B. Figure 3 shows a graph of the 24-hour noise measurements.

Table B – Existing (Ambient) Noise Level Measurements

Site No.	Site Description	Average (dBA L_{eq})		1-hr Average (dBA L_{eq}/Time)		Average (dBA CNEL)
		Daytime[1]	Nighttime[2]	Minimum	Maximum	
1	Located northwest of project site, on the wall between IHOP and multi-family homes on Indiana Court, approximately 195 feet west of Pacific Coast Highway centerline.	64.1	57.9	53.9 3:08 a.m.	65.3 3:35 p.m.	66.9
2	Located west of project site, on power pole located on southeast corner of 1637 E Palm Avenue, approximately 22 feet north of Palm Avenue centerline.	63.6	55.7	51.9 3:08 a.m.	67.3 8:44 a.m.	65.2
3	Located on light pole that is located approximately in center of project site parking lot.	60.1	53.2	52.9 5:34 a.m.	62.2 7:48 a.m.	62.2

Notes:
[1] Daytime is defined as 7:00 a.m. to 10:00 p.m. (Section 7-2-8(A) of the Municipal Code)
[2] Nighttime define as 10:00 p.m. to 7:00 a.m. (Section 7-2-8(A) of the Municipal Code)
Source: Noise measurements taken between Tuesday, November 24 and Wednesday, November 25, 2020.



SOURCE: Larson Davis LXT Type 1 Sound Level Meters.

VISTA ENVIRONMENTAL

Figure 3
Field Noise Measurements Graph

6.0 MODELING PARAMETERS AND ASSUMPTIONS

6.1 Construction Noise

The noise impacts from construction of the proposed project have been analyzed through use of the FHWA's Roadway Construction Noise Model (RCNM). The FHWA compiled noise measurement data regarding the noise generating characteristics of several different types of construction equipment used during the Central Artery/Tunnel project in Boston. Table C below provides a list of the construction equipment anticipated to be used for each phase of construction as detailed in *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis for the 650 PCH Project* (Air Quality Analysis), prepared by Vista Environmental, December 21, 2020.

Table C – Construction Equipment Noise Emissions and Usage Factors

Equipment Description	Number of Equipment	Acoustical Use Factor[1] (percent)	Spec 721.560 Lmax at 50 feet[2] (dBA, slow[3])	Actual Measured Lmax at 50 feet[4] (dBA, slow[3])
Demolition/Rough Grading				
Excavator	1	40	85	81
Water Truck (Dump Truck)	1	40	84	76
Rubber Tired Dozer	1	40	85	83
Rubber Tired Loader	1	40	80	79
Scraper	2	40	85	84
Tractor, Loader, or Backhoes	3	40	84	N/A
Grading/Foundation				
Crane	1	16	85	81
Forklifts (Gradall)	2	40	85	83
Rubber Tired Dozer	1	40	85	82
Tractor, Loader or Backhoe	3	40	84	N/A
Building Construction				
Crane	1	16	85	81
Forklift (Gradall)	3	40	85	83
Concrete Boom Pump	2	20	90	90
Boom Lift (Man Lift)	3	40	84	N/A
Architectural Coating				
Air Compressor	1	40	80	78
Paving/Site Improvements				
Forklifts (Gradall)	2	40	85	83
Paving Equipment	2	50	85	77
Tractor, Loader or Backhoe	1	40	84	N/A

Notes:
[1] Acoustical use factor is the percentage of time each piece of equipment is operational during a typical workday.
[2] Spec 721.560 is the equipment noise level utilized by the RCNM program.
[3] The "slow" response averages sound levels over 1-second increments. A "fast" response averages sound levels over 0.125-second increments.
[4] Actual Measured is the average noise level measured of each piece of equipment during the Central Artery/Tunnel project in Boston, Massachusetts primarily during the 1990s.
Source: Federal Highway Administration, 2006 and CalEEMod default equipment mix.

Table C also shows the associated measured noise emissions for each piece of equipment from the RCNM model and measured percentage of typical equipment use per day. Construction noise impacts to the nearby homes have been calculated according to the equipment noise levels and usage factors listed in Table C and through use of the RCNM. For each phase of construction, the nearest piece of equipment was placed at the shortest distance of the proposed activity to the nearest home and each subsequent piece of equipment was placed an additional 50 feet away. 5 dB of shielding was added to the RCNM model, in order to account for the existing walls that are located on the east property lines of the nearest homes, located on the west side of the project site.

6.2 Operational Noise

FHWA Roadway Noise Model Methodology

The proposed project would result in increases in traffic noise to the nearby roadways as well as introduce new sensitive receptors to the project site. The project impacts to the offsite roadways were analyzed through use of the FHWA Traffic Noise Prediction Model - FHWA-RD-77-108 (FHWA Model) as detailed in the *Technical Noise Supplement to the Traffic Noise Analysis Protocol,* prepared by Caltrans, September 2013. The FHWA Model arrives at a predicted noise level through a series of adjustments to the Reference Energy Mean Emission Level (REMEL). Adjustments are then made to the reference energy mean emission level to account for:

- The roadway active width (i.e., the distance between the center of the outermost travel lanes on each side of the roadway);
- The total average daily traffic (ADT) and the percentage of ADT which flows during the day, evening and night, the travel speed, the vehicle mix on the roadway, which is a percentage of the volume of automobiles, medium trucks and heavy trucks, the roadway grade, the angle of view of the observer exposed to the roadway; and
- Site conditions ("hard" or "soft" relates to the absorption of the ground, pavement or landscaping).

The following section provides a discussion of the software and modeling input parameters used in this analysis and a discussion of the resultant existing noise model.

FHWA Model Traffic Noise Prediction Model Inputs

The roadway parameters used for this study are presented in Table D. The roadway classifications are based on the City's General Plan Circulation Element. The roadway speeds are based on the posted speed limits. The distance to the nearest homes were determined by measuring the distance from the roadway centerline to the nearest residence. Since the study area is located in an area where landscaping exists along the sides of most of the analyzed roadways, soft site conditions were modeled.

Table D – FHWA Model Roadway Parameters

Roadway	Segment	General Plan Classification	Vehicle Speed (MPH)	Distance to Nearest Home[1] (feet)
Pacific Coast Highway	North of Grand Avenue	Major Arterial	40	340
Pacific Coast Highway	North of Mariposa Avenue	Major Arterial	40	340
Pacific Coast Highway	North of Palm Avenue	Major Arterial	40	200
Pacific Coast Highway	North of Maple Avenue	Major Arterial	40	250
Grand Avenue	West of Pacific Coast Highway	Secondary Arterial	35	35

Notes:
[1] Distance measured from nearest residential structure to centerline of roadway.
Source: Kimley-Horn, 2020; and City of El Segundo, 1992.

The average daily traffic (ADT) volumes were obtained from the *Traffic Impact Study for the Proposed 650 North Pacific Coast Highway Project* (Traffic Impact Study), prepared by Kimley-Horn, 2020. The ADT volumes have been provided for both without project and with project conditions for the existing, opening year 2021, and horizon year 2040. The ADT volumes used in this analysis are shown in Table E.

Table E – FHWA Model Average Daily Traffic Volumes

		Average Daily Traffic Volumes			
Roadway	Segment	Existing	Existing + Project	Year 2023	Year 2023 + Project
Pacific Coast Highway	North of Grand Avenue	56,620	56,990	69,420	69,790
Pacific Coast Highway	North of Mariposa Avenue	60,820	61,340	72,360	72,890
Pacific Coast Highway	North of Palm Avenue	61,700	62,940	73,730	74,960
Pacific Coast Highway	North of Maple Avenue	62,980	63,780	74,930	76,810
Grand Avenue	West of Pacific Coast Highway	11,860	11,940	12,240	12,320

Source: Kimley-Horn, 2020.

The vehicle mixes used in the FHWA-RD-77-108 Model are presented in Table F. The vehicle mix for State Route 1 is based on Caltrans data and the other roadways are based on typical vehicle mixes observed in Southern California.

Table F – Roadway Vehicle Mixes

Vehicle Type	Traffic Flow Distributions			
	Day (7 a.m. to 7 p.m.)	Evening (7 p.m. to 10 p.m.)	Night (10 p.m. to 7 a.m.)	Overall
Secondary Roadways (Grand Avenue)				
Automobiles	73.6%	13.6%	10.2%	97.4%
Medium Trucks	0.9%	0.9%	0.0%	1.8%
Heavy Trucks	0.4%	0.0%	0.4%	0.7%
State Route 1 (Pacific Coast Highway)				
Automobiles	67.1%	13.7%	16.1%	96.9%
Medium Trucks	1.3%	0.2%	0.6%	2.1%
Heavy Trucks	0.5%	0.1%	0.4%	1.0%

Source: Caltrans, 2019; Vista Environmental.

FHWA Model Source Assumptions

To assess the roadway noise generation in a uniform manner, all vehicles are analyzed at the single lane equivalent acoustic center of the roadway being analyzed. In order to determine the height above the road grade where the noise is being emitted from, each type of vehicle has been analyzed independently with autos at road grade, medium trucks at 2.3 feet above road grade, and heavy trucks at 8 feet above road grade. These elevations were determined through a noise-weighted average of the elevation of the exhaust pipe, tires and mechanical parts in the engine, which are the primary noise emitters from a vehicle.

6.3 Vibration

Construction activity can result in varying degrees of ground vibration, depending on the equipment used on the site. Operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Buildings in the vicinity of the project site respond to these vibrations with varying results ranging from no perceptible effects at the low levels to slight damage to the structures at the highest levels. Table G gives approximate vibration levels for particular construction equipment that is provided by the FTA, however it should be noted that not all of these equipment types would be used during construction of the proposed project. The data in Table G provides a reasonable estimate for a wide range of soil conditions.

Table G – Vibration Source Levels for Construction Equipment

Equipment		Peak Particle Velocity (inches/second)	Approximate Vibration Level (L_v)at 25 feet
Pile driver (impact)	Upper range	1.518	112
	typical	0.644	104
Pile driver (sonic)	Upper range	0.734	105
	typical	0.170	93
Clam shovel drop (slurry wall)		0.202	94
Vibratory Roller		0.210	94
Hoe Ram		0.089	87
Large bulldozer		0.089	87
Caisson drill		0.089	87
Loaded trucks		0.076	86
Jackhammer		0.035	79
Small bulldozer		0.003	58

Source: Federal Transit Administration, 2018.

The construction-related vibration impacts have been calculated through the vibration levels shown above in Table G and through typical vibration propagation rates. The equipment assumptions were based on the equipment lists provided above in Table C.

7.0 IMPACT ANALYSIS

7.1 CEQA Thresholds of Significance

Consistent with the California Environmental Quality Act (CEQA) and the State CEQA Guidelines, a significant impact related to noise would occur if a proposed project is determined to result in:

- Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- Generation of excessive groundborne vibration or groundborne noise levels; or
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels.

7.2 Generation of Noise Levels in Excess of Standards

The proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The following section calculates the potential noise emissions associated with the temporary construction activities and long-term operations of the proposed project and compares the noise levels to the City standards.

Construction-Related Noise

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Noise impacts from construction activities associated with the proposed project would be a function of the noise generated by construction equipment, equipment location, sensitivity of nearby land uses, and the timing and duration of the construction activities. The nearest sensitive receptors to the project site are residents at the multi-family homes located as near as 270 feet west of the project site.

Section 7-2-10(D) of the City's Municipal Code exempts construction noise from the City noise standards provided that construction activities occur between 7:00 a.m. and 6:00 p.m., except Sundays and Federal holidays and such activities do not exceed 65 dBA at the nearby residential properties.

Construction noise impacts to the nearby sensitive receptors have been calculated through use of the RCNM and the parameters and assumptions detailed in Section 6.1 of this report including Table C – Construction Equipment Noise Emissions and Usage Factors. The results are shown below in Table H and the RCNM printouts are provided in Appendix C.

Table H – Construction Noise Levels at the Nearby Sensitive Receptors

Construction Phase	Construction Noise Level (dBA Leq) at:	
	Homes to Northwest	Homes to West
Demolition/Rough Grading	63	63
Grading/Foundation	63	63
Building Construction	62	63
Architectural Coating	54	54
Paving/Site Improvements	64	64
City Construction Noise Threshold[1]	**65**	**65**
Exceed Thresholds?	**No**	**No**

Source: RCNM, Federal Highway Administration, 2006

Table H shows that greatest construction noise impacts would be as high as 64 dBA Leq during the paving and site improvements phase at the nearest homes to the northwest and west of the project site. All calculated construction noise levels shown in Table H are within the City's construction noise standard of 65 dBA. Therefore, through adherence to the limitation of allowable construction times provided in Section 7-2-10(D) of the Municipal Code, construction-related noise levels would not exceed any standards established in the General Plan or Noise Ordinance nor would construction activities create a substantial temporary increase in ambient noise levels from construction of the proposed project. Impacts would be less than significant.

Operational-Related Noise

The proposed project would consist of the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes development of a new 7-story office building with an integrated parking structure with 1,185 parking spaces ("Building C"). Potential noise impacts associated with the operations of the proposed project would be from project-generated vehicular traffic on the nearby roadways and from onsite activities, which have been analyzed separately below.

Roadway Vehicular Noise

Vehicle noise is a combination of the noise produced by the engine, exhaust and tires. The level of traffic noise depends on three primary factors (1) the volume of traffic, (2) the speed of traffic, and (3) the number of trucks in the flow of traffic. The proposed project does not propose any uses that would require a substantial number of truck trips and the proposed project would not alter the speed limit on any existing roadway so the proposed project's potential offsite noise impacts have been focused on the noise impacts associated with the change of volume of traffic that would occur with development of the proposed project.

Since neither the General Plan nor the CEQA Guidelines define what constitutes a "substantial permanent increase to ambient noise levels", this impact analysis has utilized guidance from the Federal Transit Administration for a moderate impact that has been detailed above in Table A that shows that the project contribution to the noise environment can range between 0 and 7 dB, which is dependent on the existing noise levels.

The potential offsite traffic noise impacts created by the on-going operations of the proposed project have been analyzed through utilization of the FHWA model and parameters described above in Section 6.2 and the FHWA model traffic noise calculation spreadsheets are provided in Appendix D. The proposed project's potential offsite traffic noise impacts have been analyzed for the existing year and opening year 2023 conditions, which are discussed below.

Existing Year Conditions

The proposed project's potential offsite roadway noise impacts have been calculated through a comparison of the existing scenario to the existing with project scenario. The results of this comparison are shown in Table I.

Table I – Project Traffic Noise Contributions for Existing Year Conditions

		dBA CNEL at Nearest Receptor[1]				
Roadway	Segment	Existing	Existing Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.3	60.3	0.0	+2 dBA	No
Pacific Coast Highway	North of Mariposa Avenue	60.6	60.6	0.0	+2 dBA	No
Pacific Coast Highway	North of Palm Avenue	64.2	64.3	0.1	+2 dBA	No
Pacific Coast Highway	North of Maple Avenue	62.8	62.8	0.0	+2 dBA	No
Grand Avenue	West of Pacific Coast Highway	67.1	67.1	0.0	+1 dBA	No

Notes:
[1] Distance to nearest residential use shown in Table D, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table I shows that for the existing conditions, the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the existing year conditions. Impacts would be less than significant.

Opening Year 2023 Conditions

The proposed project's potential offsite roadway noise impacts have been calculated through a comparison of the opening year 2021 scenario to the opening year 2021 with project scenario. The results of this comparison are shown in Table J.

Table J – Project Traffic Noise Contributions for Opening Year 2023 Conditions

Roadway	Segment	dBA CNEL at Nearest Receptor[1] Year 2023	Year 2023 Plus Project	Project Contribution	Increase Threshold[2]	Significant Impact?
Pacific Coast Highway	North of Grand Avenue	60.3	60.3	0.0	+2 dBA	No
Pacific Coast Highway	North of Mariposa Avenue	60.6	60.6	0.0	+2 dBA	No
Pacific Coast Highway	North of Palm Avenue	64.2	64.3	0.1	+2 dBA	No
Pacific Coast Highway	North of Maple Avenue	62.8	62.8	0.0	+2 dBA	No
Grand Avenue	West of Pacific Coast Highway	67.1	67.1	0.0	+1 dBA	No

Notes:
[1] Distance to nearest residential use shown in Table D, does not take into account existing noise barriers.
[2] Increase Threshold obtained from the FTA's allowable noise impact exposures detailed above in Table A..
Source: FHWA Traffic Noise Prediction Model FHWA-RD-77-108.

Table J shows that for the opening year 2023 conditions, the proposed project's permanent noise increases to the nearby homes from the generation of additional vehicular traffic would not exceed the traffic noise increase thresholds detailed above. Therefore, the proposed project would not result in a substantial permanent increase in ambient noise levels for the opening year 2023 conditions. Impacts would be less than significant.

Onsite Noise Sources

The operation of the proposed project may create an increase in onsite noise levels from noise impacts from rooftop mechanical equipment, parking lots, and delivery trucks. Section 7-2-4(A) of the City's Municipal Code limits the noise created on the project site at the nearby residential properties to the ambient noise level plus 5 dBA and Section 7-2-4(B) of the City's Municipal Code limits the noise created on the project site at the nearby commercial and industrial properties to the ambient noise level plus 8 dBA. The nearest sensitive receptors to the project site are: (1) Homes to the northwest that are located as near as 270 feet from the project site; (2) Homes to the west that are located as near as 270 feet from the project site; and (3) The adjacent commercial uses that are adjacent to the south.

In order to determine the noise impacts from the operation of rooftop mechanical equipment, parking lots, and delivery trucks, reference noise measurements were taken of each noise source and are shown in Table K and the reference noise measurements are provided in Appendix E. The noise levels from each source were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver.

Table K – Operational Noise Levels at the Nearby Land Uses

Noise Source	Homes to Northwest		Homes to West		Commercial to South	
	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Homes (feet)	Noise Level[1] (dBA Leq)	Distance - Source to Commercial (feet)	Noise Level[1] (dBA Leq)
Rooftop Equipment[2]	310	31	300	31	60	45
Parking Lot[3]	310	27	380	25	60	42
Truck Delivery[4]	480	31	380	33	60	49
Combined Noise Levels		**35**		**35**		**51**
City Noise Standard (day/night)		**69/63**		**69/61**		**68/61**
Exceed City Noise Standard?		**No/No**		**No/No**		**No/No**

Notes:
[1] The noise levels were calculated through use of standard geometric spreading of noise from a point source with a drop-off rate of 6 dB for each doubling of the distance between the source and receiver. Does not account for noise reduction features such as buildings and walls.
[2] Rooftop equipment is based on a reference noise measurement of 66.6 dBA at 10 feet.
[3] Parking lot is based on a reference noise measurement of 63.1 dBA at 5 feet.
[4] Truck delivery is based on a reference noise measurement of 54.8 dBA at 30 feet.
[5] City Noise Standard based on ambient noise level shown in Table B plus 5 dB at the residential uses and plus 8 dB for the commercial uses.

Table K shows that the proposed project's onsite operational noise from the anticipated onsite noise sources would not exceed the applicable noise standards at the nearby residential and commercial uses. Therefore, operational onsite noise impacts would be less than significant

Level of Significance

Less than significant impact.

7.3 Generation of Excessive Groundborne Vibration

The proposed project would not expose persons to or generation of excessive groundborne vibration or groundborne noise levels. The following section analyzes the potential vibration impacts associated with the construction and operations of the proposed project.

Construction-Related Vibration Impacts

The construction activities for the proposed project are anticipated to include demolition and rough grading of the existing surface parking lot, grading and foundation construction, building renovation and construction, application of architectural coatings, and paving and site improvements. Vibration impacts from construction activities associated with the proposed project would typically be created from the operation of heavy off-road equipment. The nearest offsite structure where people may sit, which makes them much more susceptible to vibration, would be the commercial uses, located as near as 30 feet south of the project site.

Section 7-2-9 of the City's Municipal Code restricts the creation of vibration which is perceptible without the use of instruments to any reasonable person on normal sensitivity. However, since neither the Municipal Code nor the General Plan provides a quantifiable vibration threshold level, Caltrans guidance that is detailed above in Section 4.2 has been utilized, which defines the threshold of perception from transient sources at 0.25 inch per second PPV.

The primary source of vibration during construction would be from the operation of a bulldozer. From Table G above a large bulldozer would create a vibration level of 0.089 inch per second PPV at 25 feet. Based on typical propagation rates, the vibration level at the nearest homes (20 feet away) would be 0.11 inch per second PPV. The vibration level at the nearest offsite structure where people likely sit, would be below the 0.25 inch per second PPV threshold detailed above. Impacts would be less than significant.

Operations-Related Vibration Impacts

The proposed project would consist of the renovation and minor alteration of two existing office buildings at 650 North Pacific Coast Highway ("Building A") and 700 North Pacific Coast Highway ("Building B"). In addition, the project includes development of a new 7-story office building with an integrated parking structure with 1,185 parking spaces ("Building C"). The proposed project would result in the operation of delivery trucks on the project site, which are a known source of vibration. The nearest offsite structure where people may sit, which makes them much more susceptible to vibration, would be the commercial uses, located as near as 30 feet south of the project site of the nearest onsite driveway.

Caltrans has done extensive research on vibration level created along freeways and State Routes and their vibration measurements of roads have never exceeded 0.08 inches per second PPV at 15 feet from the center of the nearest lane, with the worst combinations of heavy trucks. Based on typical propagation rates, the vibration level at the nearest commercial buildings (30 feet away) would by 0.037 inch per second PPV. Therefore, vibration created from operation of the proposed project would be within the 0.25 inch per second PPV threshold of detailed above. Impacts would be less than significant.

Level of Significance

Less than significant impact.

7.4 Aircraft Noise

The proposed project would not expose people residing or working in the project area to excessive noise levels from aircraft. The nearest airport is Los Angeles International Airport that is located as near as 0.5 mile north of the project site, however it should be noted that the Airport's runways run in generally in a east-west direction and the project site is located approximately in the middle of the Airport, so take-offs and landings do not occur over the project site. As detailed in *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report,* prepared November 13, 2019 (found at: https://www.lawa.org/lawa-environment/noise-management/lawa-noise-management-lax/quarterly-noise-reports-and-contour-maps), the project site is located outside of the 65 dBA CNEL noise contours of Los Angeles International Airport. Therefore aircraft noise impacts would be less than significant.

Level of Significance

Less than significant impact.

8.0 REFERENCES

California Department of Transportation, *2016 Annual Average Daily Truck Traffic on the California State Highway System*, 2018.

California Department of Transportation (Caltrans), *Technical Noise Supplement to the Traffic Noise Analytics Protocol*, September 2013.

California Department of Transportation, *Transportation- and Construction-Induced Vibration Guidance Manual*, September 2013.

City of El Segundo, *The City of El Segundo General Plan 1992*, December 1, 1992.

City of El Segundo, *City Code of El Segundo 2000*, March 17, 2020.

Federal Transit Administration, *Transit Noise and Vibration Impact Assessment,* September 2018.

Los Angeles World Airports, *3Q19 Los Angeles International Airport – California State Airport Noise Standards Quarterly Report,* November 13, 2019.

Kimley-Horn, *Scoping Letter Agreement for Traffic Impact Study for the Proposed 650 North Pacific Coast Highway Project in the City of El Segundo,* November 25, 2020.

U.S. Department of Transportation, *FHWA Roadway Construction Noise Model User's Guide,* January, 2006.

Vista Environmental, *Air Quality, Energy, and Greenhouse Gas Emissions Impact Analysis The 650 PCH Project,* December 21, 2020.

APPENDIX A

Field Noise Measurements Photo Index

Noise Measurement Site 1 - looking north

Noise Measurement Site 1 - looking northeast

Noise Measurement Site 1 - looking east

Noise Measurement Site 1 - looking southeast

Noise Measurement Site 1 - looking south

Noise Measurement Site 1 - looking southwest

Noise Measurement Site 1 - looking west

Noise Measurement Site 1 - looking northwest

Noise Measurement Site 2 - looking north

Noise Measurement Site 2 - looking northeast

Noise Measurement Site 2 - looking east

Noise Measurement Site 2 - looking southeast

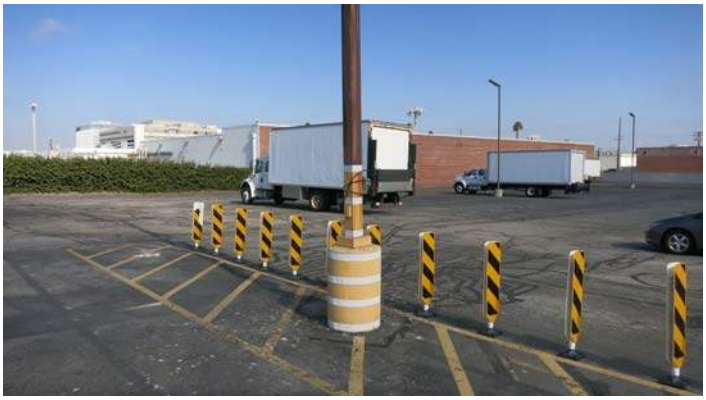
Noise Measurement Site 2 - looking south

Noise Measurement Site 2 - looking southwest

Noise Measurement Site 2 - looking west

Noise Measurement Site 2 - looking northwest

Noise Measurement Site 3 - looking north



Noise Measurement Site 3 - looking northeast

Noise Measurement Site 3 - looking east

Noise Measurement Site 3 - looking southeast

Noise Measurement Site 3 - looking south

Noise Measurement Site 3 - looking southwest

Noise Measurement Site 3 - looking west

Noise Measurement Site 3 - looking northwest

APPENDIX B

Field Noise Measurements Printouts

Site 1 - Northwest of Project Site on Wall at IHOP

November 24, 2020 12:29:42 PM Leq Daytime = 64.1
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 57.9
Record Num = 86401 CNEL(24hr)= 66.9
Leq = 62.0 Ldn(24hr)= 66.4
Min = 43.2 Min Leq hr at 3:08 AM 53.9
Max = 93.3 Max Leq hr at 3:35 PM 65.3

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.7	12:29:42		59.7	59.7
59.4	12:29:43		59.4	59.4
62.1	12:29:44		62.1	62.1
61.8	12:29:45		61.8	61.8
76.8	12:29:46		76.8	76.8
73.3	12:29:47		73.3	73.3
69.2	12:29:48		69.2	69.2
65.2	12:29:49		65.2	65.2
62.3	12:29:50		62.3	62.3
69.6	12:29:51		69.6	69.6
73.8	12:29:52		73.8	73.8
70.1	12:29:53		70.1	70.1
66.3	12:29:54		66.3	66.3
66.3	12:29:55		66.3	66.3
68.6	12:29:56		68.6	68.6
66.0	12:29:57		66.0	66.0
63.3	12:29:58		63.3	63.3
62.1	12:29:59		62.1	62.1
60.6	12:30:00		60.6	60.6
61.1	12:30:01		61.1	61.1
60.0	12:30:02		60.0	60.0
58.9	12:30:03		58.9	58.9
58.8	12:30:04		58.8	58.8
61.4	12:30:05		61.4	61.4
62.8	12:30:06		62.8	62.8
62.0	12:30:07		62.0	62.0
62.9	12:30:08		62.9	62.9
68.8	12:30:09		68.8	68.8
70.3	12:30:10		70.3	70.3
70.9	12:30:11		70.9	70.9
67.6	12:30:12		67.6	67.6
64.7	12:30:13		64.7	64.7
62.2	12:30:14		62.2	62.2
60.8	12:30:15		60.8	60.8
60.0	12:30:16		60.0	60.0
60.5	12:30:17		60.5	60.5
62.7	12:30:18		62.7	62.7
60.8	12:30:19		60.8	60.8
60.7	12:30:20		60.7	60.7
65.1	12:30:21		65.1	65.1
62.1	12:30:22		62.1	62.1
59.9	12:30:23		59.9	59.9
59.4	12:30:24		59.4	59.4
58.9	12:30:25		58.9	58.9
61.0	12:30:26		61.0	61.0
62.0	12:30:27		62.0	62.0
66.8	12:30:28		66.8	66.8
66.3	12:30:29		66.3	66.3
64.3	12:30:30		64.3	64.3
61.8	12:30:31		61.8	61.8
62.6	12:30:32		62.6	62.6
61.2	12:30:33		61.2	61.2
60.0	12:30:34		60.0	60.0
58.3	12:30:35		58.3	58.3
64.5	12:30:36		64.5	64.5
68.0	12:30:37		68.0	68.0
69.2	12:30:38		69.2	69.2
65.2	12:30:39		65.2	65.2
61.9	12:30:40		61.9	61.9
59.4	12:30:41		59.4	59.4
58.6	12:30:42		58.6	58.6
57.4	12:30:43		57.4	57.4
63.1	12:30:44		63.1	63.1
63.8	12:30:45		63.8	63.8
61.4	12:30:46		61.4	61.4
60.5	12:30:47		60.5	60.5
60.4	12:30:48		60.4	60.4
58.7	12:30:49		58.7	58.7
57.6	12:30:50		57.6	57.6
58.2	12:30:51		58.2	58.2
58.7	12:30:52		58.7	58.7
58.9	12:30:53		58.9	58.9
58.5	12:30:54		58.5	58.5
64.0	12:30:55		64.0	64.0
65.8	12:30:56		65.8	65.8
64.8	12:30:57		64.8	64.8
73.6	12:30:58		73.6	73.6
74.2	12:30:59		74.2	74.2
70.7	12:31:00		70.7	70.7
67.5	12:31:01		67.5	67.5
65.1	12:31:02		65.1	65.1
64.7	12:31:03		64.7	64.7
69.0	12:31:04		69.0	69.0
72.7	12:31:05		72.7	72.7
73.1	12:31:06		73.1	73.1
73.6	12:31:07		73.6	73.6
71.4	12:31:08		71.4	71.4
81.6	12:31:09		81.6	81.6
79.4	12:31:10		79.4	79.4
76.3	12:31:11		76.3	76.3
73.0	12:31:12		73.0	73.0
74.6	12:31:13		74.6	74.6
74.2	12:31:14		74.2	74.2
71.3	12:31:15		71.3	71.3
71.1	12:31:16		71.1	71.1
70.6	12:31:17		70.6	70.6
68.4	12:31:18		68.4	68.4
69.8	12:31:19		69.8	69.8
68.8	12:31:20		68.8	68.8
68.0	12:31:21		68.0	68.0
66.8	12:31:22		66.8	66.8
64.9	12:31:23		64.9	64.9
63.4	12:31:24		63.4	63.4
65.2	12:31:25		65.2	65.2
65.0	12:31:26		65.0	65.0
63.7	12:31:27		63.7	63.7
63.0	12:31:28		63.0	63.0
67.0	12:31:29		67.0	67.0
65.4	12:31:30		65.4	65.4
63.4	12:31:31		63.4	63.4
62.2	12:31:32		62.2	62.2
62.9	12:31:33		62.9	62.9
64.8	12:31:34		64.8	64.8
64.9	12:31:35		64.9	64.9
64.6	12:31:36		64.6	64.6
64.6	12:31:37		64.6	64.6
65.5	12:31:38		65.5	65.5
65.1	12:31:39		65.1	65.1
64.9	12:31:40		64.9	64.9
64.1	12:31:41		64.1	64.1
63.2	12:31:42		63.2	63.2
61.6	12:31:43		61.6	61.6
61.0	12:31:44		61.0	61.0
61.5	12:31:45		61.5	61.5
62.2	12:31:46		62.2	62.2
62.0	12:31:47		62.0	62.0
62.6	12:31:48		62.6	62.6
61.9	12:31:49		61.9	61.9
60.3	12:31:50		60.3	60.3
59.5	12:31:51		59.5	59.5
58.5	12:31:52		58.5	58.5
61.3	12:31:53		61.3	61.3
60.4	12:31:54		60.4	60.4
58.2	12:31:55		58.2	58.2
57.1	12:31:56		57.1	57.1
57.1	12:31:57		57.1	57.1
57.2	12:31:58		57.2	57.2
56.5	12:31:59		56.5	56.5
55.9	12:32:00		55.9	55.9
56.1	12:32:01		56.1	56.1
56.6	12:32:02		56.6	56.6
57.3	12:32:03		57.3	57.3
56.6	12:32:04		56.6	56.6
55.6	12:32:05		55.6	55.6
55.2	12:32:06		55.2	55.2
54.9	12:32:07		54.9	54.9
54.8	12:32:08		54.8	54.8
54.6	12:32:09		54.6	54.6
54.2	12:32:10		54.2	54.2
53.5	12:32:11		53.5	53.5
53.0	12:32:12		53.0	53.0
53.1	12:32:13		53.1	53.1
53.9	12:32:14		53.9	53.9
54.5	12:32:15		54.5	54.5
54.5	12:32:16		54.5	54.5
57.0	12:32:17		57.0	57.0
58.5	12:32:18		58.5	58.5
58.2	12:32:19		58.2	58.2
57.6	12:32:20		57.6	57.6
57.2	12:32:21		57.2	57.2
56.8	12:32:22		56.8	56.8
55.9	12:32:23		55.9	55.9
55.4	12:32:24		55.4	55.4
55.6	12:32:25		55.6	55.6
55.8	12:32:26		55.8	55.8
55.9	12:32:27		55.9	55.9
55.4	12:32:28		55.4	55.4
56.2	12:32:29		56.2	56.2
55.3	12:32:30		55.3	55.3
54.8	12:32:31		54.8	54.8

Site 2 - West of Project Site on Palm Ave

November 24, 2020 12:37:26 PM Leq Daytime = 63.6
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 55.7
Record Num = 86401 CNEL(24hr)= 65.2
Leq = 61.2 Ldn(24hr)= 64.8
Min = 43.0 Min Leq hr at 3:08 AM 51.9
Max = 91.2 Max Leq hr at 8:44 AM 67.3

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
60.5	12:37:26		60.5	60.5
60.7	12:37:27		60.7	60.7
62.7	12:37:28		62.7	62.7
66.3	12:37:29		66.3	66.3
69.7	12:37:30		69.7	69.7
72.7	12:37:31		72.7	72.7
70.9	12:37:32		70.9	70.9
68.3	12:37:33		68.3	68.3
65.9	12:37:34		65.9	65.9
64.7	12:37:35		64.7	64.7
69.5	12:37:36		69.5	69.5
70.5	12:37:37		70.5	70.5
67.1	12:37:38		67.1	67.1
73.2	12:37:39		73.2	73.2
74.8	12:37:40		74.8	74.8
71.2	12:37:41		71.2	71.2
68.8	12:37:42		68.8	68.8
67.4	12:37:43		67.4	67.4
67.5	12:37:44		67.5	67.5
69.7	12:37:45		69.7	69.7
68.6	12:37:46		68.6	68.6
67.0	12:37:47		67.0	67.0
66.5	12:37:48		66.5	66.5
65.8	12:37:49		65.8	65.8
66.0	12:37:50		66.0	66.0
66.5	12:37:51		66.5	66.5
67.0	12:37:52		67.0	67.0
65.5	12:37:53		65.5	65.5
65.3	12:37:54		65.3	65.3
65.3	12:37:55		65.3	65.3
65.5	12:37:56		65.5	65.5
64.7	12:37:57		64.7	64.7
63.5	12:37:58		63.5	63.5
63.2	12:37:59		63.2	63.2
70.5	12:38:00		70.5	70.5
75.7	12:38:01		75.7	75.7
72.0	12:38:02		72.0	72.0
69.6	12:38:03		69.6	69.6
67.9	12:38:04		67.9	67.9
67.1	12:38:05		67.1	67.1
66.1	12:38:06		66.1	66.1
65.2	12:38:07		65.2	65.2
67.3	12:38:08		67.3	67.3
66.6	12:38:09		66.6	66.6
64.4	12:38:10		64.4	64.4
63.1	12:38:11		63.1	63.1
71.5	12:38:12		71.5	71.5
70.4	12:38:13		70.4	70.4
69.5	12:38:14		69.5	69.5
67.5	12:38:15		67.5	67.5
66.3	12:38:16		66.3	66.3
69.2	12:38:17		69.2	69.2
70.2	12:38:18		70.2	70.2
66.8	12:38:19		66.8	66.8
63.8	12:38:20		63.8	63.8
62.6	12:38:21		62.6	62.6
63.0	12:38:22		63.0	63.0
63.2	12:38:23		63.2	63.2
61.1	12:38:24		61.1	61.1
60.6	12:38:25		60.6	60.6
60.5	12:38:26		60.5	60.5
81.6	12:38:27		81.6	81.6
80.0	12:38:28		80.0	80.0
76.4	12:38:29		76.4	76.4
73.5	12:38:30		73.5	73.5
72.9	12:38:31		72.9	72.9
79.0	12:38:32		79.0	79.0
81.3	12:38:33		81.3	81.3
77.9	12:38:34		77.9	77.9
81.0	12:38:35		81.0	81.0
81.9	12:38:36		81.9	81.9
77.7	12:38:37		77.7	77.7
73.5	12:38:38		73.5	73.5
69.5	12:38:39		69.5	69.5
65.6	12:38:40		65.6	65.6
62.9	12:38:41		62.9	62.9
60.1	12:38:42		60.1	60.1
58.2	12:38:43		58.2	58.2
56.3	12:38:44		56.3	56.3
54.3	12:38:45		54.3	54.3
52.6	12:38:46		52.6	52.6
51.2	12:38:47		51.2	51.2
50.7	12:38:48		50.7	50.7
50.3	12:38:49		50.3	50.3
50.1	12:38:50		50.1	50.1
50.8	12:38:51		50.8	50.8
51.7	12:38:52		51.7	51.7
52.1	12:38:53		52.1	52.1
53.4	12:38:54		53.4	53.4
56.2	12:38:55		56.2	56.2
57.0	12:38:56		57.0	57.0
54.7	12:38:57		54.7	54.7
52.8	12:38:58		52.8	52.8
52.0	12:38:59		52.0	52.0
52.3	12:39:00		52.3	52.3
53.3	12:39:01		53.3	53.3
53.7	12:39:02		53.7	53.7
54.0	12:39:03		54.0	54.0
55.1	12:39:04		55.1	55.1
54.4	12:39:05		54.4	54.4
53.6	12:39:06		53.6	53.6
55.6	12:39:07		55.6	55.6
57.0	12:39:08		57.0	57.0
55.0	12:39:09		55.0	55.0
53.2	12:39:10		53.2	53.2
51.8	12:39:11		51.8	51.8
50.9	12:39:12		50.9	50.9
50.4	12:39:13		50.4	50.4
49.7	12:39:14		49.7	49.7
49.4	12:39:15		49.4	49.4
49.2	12:39:16		49.2	49.2
49.1	12:39:17		49.1	49.1
48.9	12:39:18		48.9	48.9
49.0	12:39:19		49.0	49.0
49.5	12:39:20		49.5	49.5
49.8	12:39:21		49.8	49.8
50.7	12:39:22		50.7	50.7
51.2	12:39:23		51.2	51.2
51.1	12:39:24		51.1	51.1
51.1	12:39:25		51.1	51.1
51.5	12:39:26		51.5	51.5
51.7	12:39:27		51.7	51.7
51.6	12:39:28		51.6	51.6
52.1	12:39:29		52.1	52.1
53.1	12:39:30		53.1	53.1
53.1	12:39:31		53.1	53.1
53.1	12:39:32		53.1	53.1
53.8	12:39:33		53.8	53.8
54.3	12:39:34		54.3	54.3
54.3	12:39:35		54.3	54.3
55.0	12:39:36		55.0	55.0
57.6	12:39:37		57.6	57.6
57.3	12:39:38		57.3	57.3
56.5	12:39:39		56.5	56.5
56.3	12:39:40		56.3	56.3
59.7	12:39:41		59.7	59.7
61.4	12:39:42		61.4	61.4
60.6	12:39:43		60.6	60.6
61.5	12:39:44		61.5	61.5
60.3	12:39:45		60.3	60.3
60.8	12:39:46		60.8	60.8
61.7	12:39:47		61.7	61.7
61.8	12:39:48		61.8	61.8
60.3	12:39:49		60.3	60.3
59.8	12:39:50		59.8	59.8
59.8	12:39:51		59.8	59.8
62.1	12:39:52		62.1	62.1
62.2	12:39:53		62.2	62.2
61.5	12:39:54		61.5	61.5
62.6	12:39:55		62.6	62.6
64.4	12:39:56		64.4	64.4
65.8	12:39:57		65.8	65.8
66.8	12:39:58		66.8	66.8
66.1	12:39:59		66.1	66.1
65.8	12:40:00		65.8	65.8
65.7	12:40:01		65.7	65.7
66.0	12:40:02		66.0	66.0
67.1	12:40:03		67.1	67.1
66.1	12:40:04		66.1	66.1
64.7	12:40:05		64.7	64.7
63.8	12:40:06		63.8	63.8
63.4	12:40:07		63.4	63.4
63.5	12:40:08		63.5	63.5
64.0	12:40:09		64.0	64.0
62.9	12:40:10		62.9	62.9
62.2	12:40:11		62.2	62.2
62.1	12:40:12		62.1	62.1
61.2	12:40:13		61.2	61.2
60.8	12:40:14		60.8	60.8
60.1	12:40:15		60.1	60.1

Site 3 - Near Center of Parking Lot on Project Site

November 24, 2020 12:47:51 PM Leq Daytime = 60.1
ampling Time = 1 s Freq Weighting=A Leq Nighttime = 53.2
Record Num = 86402 CNEL(24hr)= 62.2
Leq = 57.9 Ldn(24hr)= 61.9
Min = 50.6 Min Leq hr at 5:34 AM 52.9
Max = 80.0 Max Leq hr at 7:48 AM 62.2

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.3	12:47:52		61.3	61.3
62.2	12:47:53		62.2	62.2
66.0	12:47:54		66.0	66.0
64.3	12:47:55		64.3	64.3
62.5	12:47:56		62.5	62.5
70.4	12:47:57		70.4	70.4
69.4	12:47:58		69.4	69.4
65.9	12:47:59		65.9	65.9
68.8	12:48:00		68.8	68.8
71.3	12:48:01		71.3	71.3
67.5	12:48:02		67.5	67.5
64.2	12:48:03		64.2	64.2
64.4	12:48:04		64.4	64.4
64.1	12:48:05		64.1	64.1
61.6	12:48:06		61.6	61.6
60.3	12:48:07		60.3	60.3
63.1	12:48:08		63.1	63.1
64.4	12:48:09		64.4	64.4
62.1	12:48:10		62.1	62.1
63.6	12:48:11		63.6	63.6
63.0	12:48:12		63.0	63.0
62.1	12:48:13		62.1	62.1
61.6	12:48:14		61.6	61.6
61.9	12:48:15		61.9	61.9
61.4	12:48:16		61.4	61.4
60.8	12:48:17		60.8	60.8
71.9	12:48:18		71.9	71.9
69.8	12:48:19		69.8	69.8
66.9	12:48:20		66.9	66.9
67.1	12:48:21		67.1	67.1
65.4	12:48:22		65.4	65.4
63.2	12:48:23		63.2	63.2
61.2	12:48:24		61.2	61.2
61.1	12:48:25		61.1	61.1
65.1	12:48:26		65.1	65.1
71.3	12:48:27		71.3	71.3
70.2	12:48:28		70.2	70.2
66.6	12:48:29		66.6	66.6
64.3	12:48:30		64.3	64.3
62.6	12:48:31		62.6	62.6
65.2	12:48:32		65.2	65.2
65.5	12:48:33		65.5	65.5
64.3	12:48:34		64.3	64.3
70.3	12:48:35		70.3	70.3
66.7	12:48:36		66.7	66.7
63.8	12:48:37		63.8	63.8
61.7	12:48:38		61.7	61.7
60.5	12:48:39		60.5	60.5
60.9	12:48:40		60.9	60.9
62.9	12:48:41		62.9	62.9
61.0	12:48:42		61.0	61.0
60.1	12:48:43		60.1	60.1
60.0	12:48:44		60.0	60.0
61.7	12:48:45		61.7	61.7
61.0	12:48:46		61.0	61.0
66.3	12:48:47		66.3	66.3
64.5	12:48:48		64.5	64.5
63.5	12:48:49		63.5	63.5
62.9	12:48:50		62.9	62.9
66.2	12:48:51		66.2	66.2
65.4	12:48:52		65.4	65.4
64.9	12:48:53		64.9	64.9
65.9	12:48:54		65.9	65.9
63.5	12:48:55		63.5	63.5
61.2	12:48:56		61.2	61.2
59.5	12:48:57		59.5	59.5
58.7	12:48:58		58.7	58.7
61.5	12:48:59		61.5	61.5
59.8	12:49:00		59.8	59.8
58.4	12:49:01		58.4	58.4
57.6	12:49:02		57.6	57.6
57.3	12:49:03		57.3	57.3
57.2	12:49:04		57.2	57.2
57.3	12:49:05		57.3	57.3
57.5	12:49:06		57.5	57.5
57.8	12:49:07		57.8	57.8
57.8	12:49:08		57.8	57.8
57.9	12:49:09		57.9	57.9
58.0	12:49:10		58.0	58.0
58.0	12:49:11		58.0	58.0
65.0	12:49:12		65.0	65.0
64.4	12:49:13		64.4	64.4
61.6	12:49:14		61.6	61.6
59.6	12:49:15		59.6	59.6
58.5	12:49:16		58.5	58.5
58.1	12:49:17		58.1	58.1
57.8	12:49:18		57.8	57.8
58.1	12:49:19		58.1	58.1
58.3	12:49:20		58.3	58.3
58.1	12:49:21		58.1	58.1
58.1	12:49:22		58.1	58.1
58.1	12:49:23		58.1	58.1
58.2	12:49:24		58.2	58.2
62.6	12:49:25		62.6	62.6
67.7	12:49:26		67.7	67.7
64.1	12:49:27		64.1	64.1
61.3	12:49:28		61.3	61.3
59.5	12:49:29		59.5	59.5
59.2	12:49:30		59.2	59.2
58.1	12:49:31		58.1	58.1
57.3	12:49:32		57.3	57.3
57.2	12:49:33		57.2	57.2
57.2	12:49:34		57.2	57.2
57.5	12:49:35		57.5	57.5
57.6	12:49:36		57.6	57.6
57.9	12:49:37		57.9	57.9
57.9	12:49:38		57.9	57.9
58.0	12:49:39		58.0	58.0
58.4	12:49:40		58.4	58.4
58.7	12:49:41		58.7	58.7
58.6	12:49:42		58.6	58.6
58.2	12:49:43		58.2	58.2
58.1	12:49:44		58.1	58.1
58.0	12:49:45		58.0	58.0
57.8	12:49:46		57.8	57.8
57.8	12:49:47		57.8	57.8
57.8	12:49:48		57.8	57.8
58.2	12:49:49		58.2	58.2
58.3	12:49:50		58.3	58.3
58.1	12:49:51		58.1	58.1
58.0	12:49:52		58.0	58.0
58.2	12:49:53		58.2	58.2
58.0	12:49:54		58.0	58.0
57.9	12:49:55		57.9	57.9
57.9	12:49:56		57.9	57.9
57.7	12:49:57		57.7	57.7
58.0	12:49:58		58.0	58.0
58.3	12:49:59		58.3	58.3
57.9	12:50:00		57.9	57.9
57.5	12:50:01		57.5	57.5
57.1	12:50:02		57.1	57.1
56.9	12:50:03		56.9	56.9
56.7	12:50:04		56.7	56.7
56.9	12:50:05		56.9	56.9
57.0	12:50:06		57.0	57.0
57.0	12:50:07		57.0	57.0
56.9	12:50:08		56.9	56.9
57.0	12:50:09		57.0	57.0
57.2	12:50:10		57.2	57.2
57.5	12:50:11		57.5	57.5
58.0	12:50:12		58.0	58.0
58.3	12:50:13		58.3	58.3
58.1	12:50:14		58.1	58.1
58.1	12:50:15		58.1	58.1
58.4	12:50:16		58.4	58.4
58.6	12:50:17		58.6	58.6
58.6	12:50:18		58.6	58.6
58.4	12:50:19		58.4	58.4
58.2	12:50:20		58.2	58.2
58.2	12:50:21		58.2	58.2
58.2	12:50:22		58.2	58.2
58.2	12:50:23		58.2	58.2
57.9	12:50:24		57.9	57.9
57.6	12:50:25		57.6	57.6
57.3	12:50:26		57.3	57.3
57.2	12:50:27		57.2	57.2
57.1	12:50:28		57.1	57.1
57.4	12:50:29		57.4	57.4
57.3	12:50:30		57.3	57.3
57.3	12:50:31		57.3	57.3
60.0	12:50:32		60.0	60.0
60.5	12:50:33		60.5	60.5
64.3	12:50:34		64.3	64.3
65.4	12:50:35		65.4	65.4
63.2	12:50:36		63.2	63.2
61.4	12:50:37		61.4	61.4
60.3	12:50:38		60.3	60.3
59.5	12:50:39		59.5	59.5
61.2	12:50:40		61.2	61.2
63.1	12:50:41		63.1	63.1

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
55.2	12:32:32		55.2	55.2
55.4	12:32:33		55.4	55.4
54.9	12:32:34		54.9	54.9
54.4	12:32:35		54.4	54.4
54.4	12:32:36		54.4	54.4
57.2	12:32:37		57.2	57.2
55.9	12:32:38		55.9	55.9
55.6	12:32:39		55.6	55.6
57.0	12:32:40		57.0	57.0
57.0	12:32:41		57.0	57.0
56.5	12:32:42		56.5	56.5
55.8	12:32:43		55.8	55.8
55.4	12:32:44		55.4	55.4
55.8	12:32:45		55.8	55.8
55.3	12:32:46		55.3	55.3
55.4	12:32:47		55.4	55.4
55.2	12:32:48		55.2	55.2
55.1	12:32:49		55.1	55.1
55.8	12:32:50		55.8	55.8
58.9	12:32:51		58.9	58.9
59.1	12:32:52		59.1	59.1
58.2	12:32:53		58.2	58.2
56.6	12:32:54		56.6	56.6
56.0	12:32:55		56.0	56.0
55.7	12:32:56		55.7	55.7
55.1	12:32:57		55.1	55.1
54.6	12:32:58		54.6	54.6
54.5	12:32:59		54.5	54.5
54.5	12:33:00		54.5	54.5
54.3	12:33:01		54.3	54.3
54.4	12:33:02		54.4	54.4
55.3	12:33:03		55.3	55.3
56.8	12:33:04		56.8	56.8
57.5	12:33:05		57.5	57.5
58.8	12:33:06		58.8	58.8
58.4	12:33:07		58.4	58.4
58.0	12:33:08		58.0	58.0
57.6	12:33:09		57.6	57.6
57.6	12:33:10		57.6	57.6
57.6	12:33:11		57.6	57.6
58.2	12:33:12		58.2	58.2
58.7	12:33:13		58.7	58.7
58.0	12:33:14		58.0	58.0
59.2	12:33:15		59.2	59.2
62.7	12:33:16		62.7	62.7
63.4	12:33:17		63.4	63.4
62.9	12:33:18		62.9	62.9
61.7	12:33:19		61.7	61.7
60.2	12:33:20		60.2	60.2
59.6	12:33:21		59.6	59.6
59.5	12:33:22		59.5	59.5
58.6	12:33:23		58.6	58.6
58.1	12:33:24		58.1	58.1
57.3	12:33:25		57.3	57.3
57.0	12:33:26		57.0	57.0
57.5	12:33:27		57.5	57.5
59.5	12:33:28		59.5	59.5
59.3	12:33:29		59.3	59.3
63.7	12:33:30		63.7	63.7
65.5	12:33:31		65.5	65.5
65.2	12:33:32		65.2	65.2
64.7	12:33:33		64.7	64.7
65.3	12:33:34		65.3	65.3
65.5	12:33:35		65.5	65.5
65.4	12:33:36		65.4	65.4
65.0	12:33:37		65.0	65.0
64.6	12:33:38		64.6	64.6
64.0	12:33:39		64.0	64.0
64.2	12:33:40		64.2	64.2
64.3	12:33:41		64.3	64.3
63.8	12:33:42		63.8	63.8
63.9	12:33:43		63.9	63.9
63.8	12:33:44		63.8	63.8
63.9	12:33:45		63.9	63.9
63.8	12:33:46		63.8	63.8
63.8	12:33:47		63.8	63.8
64.4	12:33:48		64.4	64.4
64.9	12:33:49		64.9	64.9
64.2	12:33:50		64.2	64.2
64.7	12:33:51		64.7	64.7
65.1	12:33:52		65.1	65.1
64.5	12:33:53		64.5	64.5
64.8	12:33:54		64.8	64.8
64.2	12:33:55		64.2	64.2
63.9	12:33:56		63.9	63.9
63.6	12:33:57		63.6	63.6
63.2	12:33:58		63.2	63.2
62.4	12:33:59		62.4	62.4
62.9	12:34:00		62.9	62.9
62.6	12:34:01		62.6	62.6
62.6	12:34:02		62.6	62.6
61.9	12:34:03		61.9	61.9
61.9	12:34:04		61.9	61.9
64.2	12:34:05		64.2	64.2
64.1	12:34:06		64.1	64.1
63.1	12:34:07		63.1	63.1
62.5	12:34:08		62.5	62.5
62.3	12:34:09		62.3	62.3
61.8	12:34:10		61.8	61.8
62.8	12:34:11		62.8	62.8
62.4	12:34:12		62.4	62.4
62.0	12:34:13		62.0	62.0
61.8	12:34:14		61.8	61.8
61.2	12:34:15		61.2	61.2
60.2	12:34:16		60.2	60.2
58.8	12:34:17		58.8	58.8
57.7	12:34:18		57.7	57.7
56.8	12:34:19		56.8	56.8
56.2	12:34:20		56.2	56.2
56.6	12:34:21		56.6	56.6
55.6	12:34:22		55.6	55.6
55.5	12:34:23		55.5	55.5
56.4	12:34:24		56.4	56.4
59.5	12:34:25		59.5	59.5
59.7	12:34:26		59.7	59.7
59.2	12:34:27		59.2	59.2
58.2	12:34:28		58.2	58.2
58.3	12:34:29		58.3	58.3
57.6	12:34:30		57.6	57.6
56.2	12:34:31		56.2	56.2
55.3	12:34:32		55.3	55.3
55.1	12:34:33		55.1	55.1
55.9	12:34:34		55.9	55.9
55.7	12:34:35		55.7	55.7
55.9	12:34:36		55.9	55.9
58.8	12:34:37		58.8	58.8
59.4	12:34:38		59.4	59.4
58.2	12:34:39		58.2	58.2
57.5	12:34:40		57.5	57.5
59.0	12:34:41		59.0	59.0
58.2	12:34:42		58.2	58.2
58.0	12:34:43		58.0	58.0
57.6	12:34:44		57.6	57.6
57.0	12:34:45		57.0	57.0
56.2	12:34:46		56.2	56.2
56.0	12:34:47		56.0	56.0
55.7	12:34:48		55.7	55.7
55.3	12:34:49		55.3	55.3
55.3	12:34:50		55.3	55.3
55.4	12:34:51		55.4	55.4
54.7	12:34:52		54.7	54.7
54.5	12:34:53		54.5	54.5
54.6	12:34:54		54.6	54.6
55.4	12:34:55		55.4	55.4
55.5	12:34:56		55.5	55.5
55.3	12:34:57		55.3	55.3
55.6	12:34:58		55.6	55.6
55.4	12:34:59		55.4	55.4
54.8	12:35:00		54.8	54.8
54.2	12:35:01		54.2	54.2
53.8	12:35:02		53.8	53.8
53.9	12:35:03		53.9	53.9
54.0	12:35:04		54.0	54.0
53.6	12:35:05		53.6	53.6
53.2	12:35:06		53.2	53.2
53.0	12:35:07		53.0	53.0
52.9	12:35:08		52.9	52.9
53.1	12:35:09		53.1	53.1
52.7	12:35:10		52.7	52.7
52.4	12:35:11		52.4	52.4
52.8	12:35:12		52.8	52.8
53.2	12:35:13		53.2	53.2
53.2	12:35:14		53.2	53.2
53.1	12:35:15		53.1	53.1
53.0	12:35:16		53.0	53.0
54.1	12:35:17		54.1	54.1
56.9	12:35:18		56.9	56.9
58.3	12:35:19		58.3	58.3
58.9	12:35:20		58.9	58.9
58.5	12:35:21		58.5	58.5
57.8	12:35:22		57.8	57.8
57.5	12:35:23		57.5	57.5
56.6	12:35:24		56.6	56.6
55.8	12:35:25		55.8	55.8
55.0	12:35:26		55.0	55.0
54.3	12:35:27		54.3	54.3
54.1	12:35:28		54.1	54.1
54.4	12:35:29		54.4	54.4
54.9	12:35:30		54.9	54.9
55.3	12:35:31		55.3	55.3
58.2	12:35:32		58.2	58.2
62.1	12:35:33		62.1	62.1

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.8	12:40:16		59.8	59.8
59.1	12:40:17		59.1	59.1
59.4	12:40:18		59.4	59.4
60.0	12:40:19		60.0	60.0
61.0	12:40:20		61.0	61.0
60.3	12:40:21		60.3	60.3
59.0	12:40:22		59.0	59.0
59.6	12:40:23		59.6	59.6
59.6	12:40:24		59.6	59.6
59.4	12:40:25		59.4	59.4
59.2	12:40:26		59.2	59.2
58.1	12:40:27		58.1	58.1
58.3	12:40:28		58.3	58.3
59.2	12:40:29		59.2	59.2
59.1	12:40:30		59.1	59.1
59.7	12:40:31		59.7	59.7
59.5	12:40:32		59.5	59.5
60.9	12:40:33		60.9	60.9
62.4	12:40:34		62.4	62.4
62.6	12:40:35		62.6	62.6
61.4	12:40:36		61.4	61.4
59.7	12:40:37		59.7	59.7
57.8	12:40:38		57.8	57.8
55.8	12:40:39		55.8	55.8
54.8	12:40:40		54.8	54.8
54.4	12:40:41		54.4	54.4
56.3	12:40:42		56.3	56.3
58.3	12:40:43		58.3	58.3
59.8	12:40:44		59.8	59.8
62.7	12:40:45		62.7	62.7
68.0	12:40:46		68.0	68.0
70.6	12:40:47		70.6	70.6
68.2	12:40:48		68.2	68.2
65.0	12:40:49		65.0	65.0
61.9	12:40:50		61.9	61.9
59.3	12:40:51		59.3	59.3
58.1	12:40:52		58.1	58.1
57.4	12:40:53		57.4	57.4
57.1	12:40:54		57.1	57.1
56.6	12:40:55		56.6	56.6
55.5	12:40:56		55.5	55.5
56.0	12:40:57		56.0	56.0
57.2	12:40:58		57.2	57.2
57.1	12:40:59		57.1	57.1
55.9	12:41:00		55.9	55.9
58.9	12:41:01		58.9	58.9
59.2	12:41:02		59.2	59.2
56.2	12:41:03		56.2	56.2
53.9	12:41:04		53.9	53.9
52.4	12:41:05		52.4	52.4
51.1	12:41:06		51.1	51.1
50.8	12:41:07		50.8	50.8
50.5	12:41:08		50.5	50.5
50.7	12:41:09		50.7	50.7
51.6	12:41:10		51.6	51.6
53.9	12:41:11		53.9	53.9
54.5	12:41:12		54.5	54.5
54.7	12:41:13		54.7	54.7
55.6	12:41:14		55.6	55.6
57.4	12:41:15		57.4	57.4
56.1	12:41:16		56.1	56.1
55.7	12:41:17		55.7	55.7
57.7	12:41:18		57.7	57.7
56.7	12:41:19		56.7	56.7
55.2	12:41:20		55.2	55.2
53.4	12:41:21		53.4	53.4
52.3	12:41:22		52.3	52.3
51.8	12:41:23		51.8	51.8
51.6	12:41:24		51.6	51.6
51.5	12:41:25		51.5	51.5
51.7	12:41:26		51.7	51.7
52.1	12:41:27		52.1	52.1
53.5	12:41:28		53.5	53.5
55.6	12:41:29		55.6	55.6
55.6	12:41:30		55.6	55.6
55.4	12:41:31		55.4	55.4
56.4	12:41:32		56.4	56.4
57.1	12:41:33		57.1	57.1
56.5	12:41:34		56.5	56.5
56.4	12:41:35		56.4	56.4
56.8	12:41:36		56.8	56.8
57.6	12:41:37		57.6	57.6
57.6	12:41:38		57.6	57.6
57.1	12:41:39		57.1	57.1
56.9	12:41:40		56.9	56.9
56.9	12:41:41		56.9	56.9
59.5	12:41:42		59.5	59.5
59.6	12:41:43		59.6	59.6
58.6	12:41:44		58.6	58.6
60.2	12:41:45		60.2	60.2
60.1	12:41:46		60.1	60.1
61.5	12:41:47		61.5	61.5
60.2	12:41:48		60.2	60.2
59.0	12:41:49		59.0	59.0
60.7	12:41:50		60.7	60.7
60.5	12:41:51		60.5	60.5
60.0	12:41:52		60.0	60.0
61.8	12:41:53		61.8	61.8
64.4	12:41:54		64.4	64.4
64.5	12:41:55		64.5	64.5
63.0	12:41:56		63.0	63.0
61.0	12:41:57		61.0	61.0
60.5	12:41:58		60.5	60.5
61.4	12:41:59		61.4	61.4
61.2	12:42:00		61.2	61.2
61.7	12:42:01		61.7	61.7
61.7	12:42:02		61.7	61.7
62.7	12:42:03		62.7	62.7
62.2	12:42:04		62.2	62.2
61.1	12:42:05		61.1	61.1
61.8	12:42:06		61.8	61.8
61.8	12:42:07		61.8	61.8
62.0	12:42:08		62.0	62.0
61.7	12:42:09		61.7	61.7
61.6	12:42:10		61.6	61.6
62.3	12:42:11		62.3	62.3
61.8	12:42:12		61.8	61.8
61.3	12:42:13		61.3	61.3
63.3	12:42:14		63.3	63.3
62.8	12:42:15		62.8	62.8
61.8	12:42:16		61.8	61.8
60.9	12:42:17		60.9	60.9
59.9	12:42:18		59.9	59.9
59.6	12:42:19		59.6	59.6
60.1	12:42:20		60.1	60.1
59.7	12:42:21		59.7	59.7
61.6	12:42:22		61.6	61.6
64.8	12:42:23		64.8	64.8
62.8	12:42:24		62.8	62.8
61.5	12:42:25		61.5	61.5
61.0	12:42:26		61.0	61.0
60.1	12:42:27		60.1	60.1
61.2	12:42:28		61.2	61.2
65.5	12:42:29		65.5	65.5
64.3	12:42:30		64.3	64.3
61.6	12:42:31		61.6	61.6
59.3	12:42:32		59.3	59.3
58.1	12:42:33		58.1	58.1
59.2	12:42:34		59.2	59.2
59.0	12:42:35		59.0	59.0
58.1	12:42:36		58.1	58.1
58.4	12:42:37		58.4	58.4
57.3	12:42:38		57.3	57.3
56.6	12:42:39		56.6	56.6
57.8	12:42:40		57.8	57.8
60.8	12:42:41		60.8	60.8
61.2	12:42:42		61.2	61.2
62.2	12:42:43		62.2	62.2
61.5	12:42:44		61.5	61.5
59.9	12:42:45		59.9	59.9
58.7	12:42:46		58.7	58.7
56.5	12:42:47		56.5	56.5
54.5	12:42:48		54.5	54.5
53.4	12:42:49		53.4	53.4
55.5	12:42:50		55.5	55.5
57.8	12:42:51		57.8	57.8
59.3	12:42:52		59.3	59.3
58.9	12:42:53		58.9	58.9
57.0	12:42:54		57.0	57.0
55.0	12:42:55		55.0	55.0
53.5	12:42:56		53.5	53.5
53.9	12:42:57		53.9	53.9
54.6	12:42:58		54.6	54.6
54.9	12:42:59		54.9	54.9
55.7	12:43:00		55.7	55.7
56.8	12:43:01		56.8	56.8
56.7	12:43:02		56.7	56.7
57.0	12:43:03		57.0	57.0
56.1	12:43:04		56.1	56.1
56.5	12:43:05		56.5	56.5
58.5	12:43:06		58.5	58.5
58.5	12:43:07		58.5	58.5
57.7	12:43:08		57.7	57.7
58.3	12:43:09		58.3	58.3
59.4	12:43:10		59.4	59.4
60.7	12:43:11		60.7	60.7
61.9	12:43:12		61.9	61.9
61.2	12:43:13		61.2	61.2
59.5	12:43:14		59.5	59.5
58.9	12:43:15		58.9	58.9
61.4	12:43:16		61.4	61.4
64.1	12:43:17		64.1	64.1

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.0	12:50:42		61.0	61.0
61.2	12:50:43		61.2	61.2
60.9	12:50:44		60.9	60.9
60.7	12:50:45		60.7	60.7
59.4	12:50:46		59.4	59.4
58.5	12:50:47		58.5	58.5
60.4	12:50:48		60.4	60.4
60.5	12:50:49		60.5	60.5
63.1	12:50:50		63.1	63.1
61.7	12:50:51		61.7	61.7
60.1	12:50:52		60.1	60.1
59.8	12:50:53		59.8	59.8
59.7	12:50:54		59.7	59.7
64.9	12:50:55		64.9	64.9
64.9	12:50:56		64.9	64.9
62.9	12:50:57		62.9	62.9
60.8	12:50:58		60.8	60.8
59.8	12:50:59		59.8	59.8
59.1	12:51:00		59.1	59.1
58.8	12:51:01		58.8	58.8
58.8	12:51:02		58.8	58.8
60.0	12:51:03		60.0	60.0
61.8	12:51:04		61.8	61.8
60.8	12:51:05		60.8	60.8
60.7	12:51:06		60.7	60.7
61.7	12:51:07		61.7	61.7
62.3	12:51:08		62.3	62.3
60.5	12:51:09		60.5	60.5
59.6	12:51:10		59.6	59.6
59.7	12:51:11		59.7	59.7
59.7	12:51:12		59.7	59.7
59.4	12:51:13		59.4	59.4
59.1	12:51:14		59.1	59.1
59.2	12:51:15		59.2	59.2
59.6	12:51:16		59.6	59.6
62.7	12:51:17		62.7	62.7
65.7	12:51:18		65.7	65.7
65.7	12:51:19		65.7	65.7
64.0	12:51:20		64.0	64.0
61.7	12:51:21		61.7	61.7
60.4	12:51:22		60.4	60.4
60.4	12:51:23		60.4	60.4
61.3	12:51:24		61.3	61.3
62.1	12:51:25		62.1	62.1
61.4	12:51:26		61.4	61.4
60.4	12:51:27		60.4	60.4
61.7	12:51:28		61.7	61.7
60.6	12:51:29		60.6	60.6
64.5	12:51:30		64.5	64.5
64.3	12:51:31		64.3	64.3
63.6	12:51:32		63.6	63.6
66.4	12:51:33		66.4	66.4
65.1	12:51:34		65.1	65.1
63.1	12:51:35		63.1	63.1
63.9	12:51:36		63.9	63.9
63.1	12:51:37		63.1	63.1
61.8	12:51:38		61.8	61.8
62.7	12:51:39		62.7	62.7
62.3	12:51:40		62.3	62.3
62.0	12:51:41		62.0	62.0
61.7	12:51:42		61.7	61.7
61.7	12:51:43		61.7	61.7
62.4	12:51:44		62.4	62.4
62.2	12:51:45		62.2	62.2
61.8	12:51:46		61.8	61.8
63.0	12:51:47		63.0	63.0
63.3	12:51:48		63.3	63.3
63.2	12:51:49		63.2	63.2
62.7	12:51:50		62.7	62.7
61.5	12:51:51		61.5	61.5
61.0	12:51:52		61.0	61.0
60.2	12:51:53		60.2	60.2
59.2	12:51:54		59.2	59.2
59.7	12:51:55		59.7	59.7
59.8	12:51:56		59.8	59.8
59.2	12:51:57		59.2	59.2
59.2	12:51:58		59.2	59.2
59.4	12:51:59		59.4	59.4
59.3	12:52:00		59.3	59.3
59.1	12:52:01		59.1	59.1
58.9	12:52:02		58.9	58.9
58.5	12:52:03		58.5	58.5
58.4	12:52:04		58.4	58.4
58.7	12:52:05		58.7	58.7
58.8	12:52:06		58.8	58.8
58.6	12:52:07		58.6	58.6
58.3	12:52:08		58.3	58.3
58.6	12:52:09		58.6	58.6
62.4	12:52:10		62.4	62.4
63.7	12:52:11		63.7	63.7
61.6	12:52:12		61.6	61.6
62.6	12:52:13		62.6	62.6
63.6	12:52:14		63.6	63.6
63.3	12:52:15		63.3	63.3
64.4	12:52:16		64.4	64.4
63.5	12:52:17		63.5	63.5
64.1	12:52:18		64.1	64.1
64.7	12:52:19		64.7	64.7
68.6	12:52:20		68.6	68.6
65.7	12:52:21		65.7	65.7
65.6	12:52:22		65.6	65.6
65.1	12:52:23		65.1	65.1
65.8	12:52:24		65.8	65.8
66.1	12:52:25		66.1	66.1
65.5	12:52:26		65.5	65.5
64.5	12:52:27		64.5	64.5
63.2	12:52:28		63.2	63.2
65.2	12:52:29		65.2	65.2
65.7	12:52:30		65.7	65.7
63.8	12:52:31		63.8	63.8
63.9	12:52:32		63.9	63.9
62.5	12:52:33		62.5	62.5
60.9	12:52:34		60.9	60.9
60.2	12:52:35		60.2	60.2
60.0	12:52:36		60.0	60.0
60.4	12:52:37		60.4	60.4
60.6	12:52:38		60.6	60.6
60.3	12:52:39		60.3	60.3
59.9	12:52:40		59.9	59.9
59.8	12:52:41		59.8	59.8
59.8	12:52:42		59.8	59.8
60.8	12:52:43		60.8	60.8
61.6	12:52:44		61.6	61.6
61.5	12:52:45		61.5	61.5
60.8	12:52:46		60.8	60.8
60.6	12:52:47		60.6	60.6
61.0	12:52:48		61.0	61.0
61.7	12:52:49		61.7	61.7
61.2	12:52:50		61.2	61.2
61.4	12:52:51		61.4	61.4
61.0	12:52:52		61.0	61.0
60.4	12:52:53		60.4	60.4
59.8	12:52:54		59.8	59.8
59.5	12:52:55		59.5	59.5
59.6	12:52:56		59.6	59.6
60.9	12:52:57		60.9	60.9
61.6	12:52:58		61.6	61.6
62.1	12:52:59		62.1	62.1
61.8	12:53:00		61.8	61.8
61.6	12:53:01		61.6	61.6
61.3	12:53:02		61.3	61.3
61.2	12:53:03		61.2	61.2
60.9	12:53:04		60.9	60.9
60.8	12:53:05		60.8	60.8
61.1	12:53:06		61.1	61.1
63.8	12:53:07		63.8	63.8
65.6	12:53:08		65.6	65.6
65.1	12:53:09		65.1	65.1
64.8	12:53:10		64.8	64.8
64.3	12:53:11		64.3	64.3
62.5	12:53:12		62.5	62.5
62.8	12:53:13		62.8	62.8
64.6	12:53:14		64.6	64.6
64.1	12:53:15		64.1	64.1
63.2	12:53:16		63.2	63.2
62.8	12:53:17		62.8	62.8
63.6	12:53:18		63.6	63.6
62.3	12:53:19		62.3	62.3
61.3	12:53:20		61.3	61.3
61.1	12:53:21		61.1	61.1
61.4	12:53:22		61.4	61.4
61.6	12:53:23		61.6	61.6
60.7	12:53:24		60.7	60.7
60.1	12:53:25		60.1	60.1
59.2	12:53:26		59.2	59.2
58.9	12:53:27		58.9	58.9
60.3	12:53:28		60.3	60.3
59.6	12:53:29		59.6	59.6
59.2	12:53:30		59.2	59.2
59.4	12:53:31		59.4	59.4
59.5	12:53:32		59.5	59.5
59.5	12:53:33		59.5	59.5
59.5	12:53:34		59.5	59.5
59.4	12:53:35		59.4	59.4
59.3	12:53:36		59.3	59.3
59.1	12:53:37		59.1	59.1
58.8	12:53:38		58.8	58.8
58.8	12:53:39		58.8	58.8
58.9	12:53:40		58.9	58.9
58.9	12:53:41		58.9	58.9
58.7

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
63.7	12:35:34		63.7	63.7
63.0	12:35:35		63.0	63.0
62.6	12:35:36		62.6	62.6
63.6	12:35:37		63.6	63.6
64.4	12:35:38		64.4	64.4
65.0	12:35:39		65.0	65.0
64.8	12:35:40		64.8	64.8
65.4	12:35:41		65.4	65.4
65.5	12:35:42		65.5	65.5
65.4	12:35:43		65.4	65.4
65.1	12:35:44		65.1	65.1
64.0	12:35:45		64.0	64.0
63.2	12:35:46		63.2	63.2
62.6	12:35:47		62.6	62.6
63.2	12:35:48		63.2	63.2
62.4	12:35:49		62.4	62.4
61.0	12:35:50		61.0	61.0
63.1	12:35:51		63.1	63.1
64.1	12:35:52		64.1	64.1
63.6	12:35:53		63.6	63.6
65.3	12:35:54		65.3	65.3
66.3	12:35:55		66.3	66.3
65.9	12:35:56		65.9	65.9
66.3	12:35:57		66.3	66.3
65.7	12:35:58		65.7	65.7
64.1	12:35:59		64.1	64.1
64.0	12:36:00		64.0	64.0
64.9	12:36:01		64.9	64.9
64.9	12:36:02		64.9	64.9
64.6	12:36:03		64.6	64.6
64.5	12:36:04		64.5	64.5
64.6	12:36:05		64.6	64.6
63.8	12:36:06		63.8	63.8
64.4	12:36:07		64.4	64.4
64.3	12:36:08		64.3	64.3
63.4	12:36:09		63.4	63.4
62.2	12:36:10		62.2	62.2
61.8	12:36:11		61.8	61.8
61.9	12:36:12		61.9	61.9
63.6	12:36:13		63.6	63.6
63.5	12:36:14		63.5	63.5
62.8	12:36:15		62.8	62.8
62.5	12:36:16		62.5	62.5
62.3	12:36:17		62.3	62.3
62.0	12:36:18		62.0	62.0
61.6	12:36:19		61.6	61.6
62.7	12:36:20		62.7	62.7
62.7	12:36:21		62.7	62.7
62.1	12:36:22		62.1	62.1
62.1	12:36:23		62.1	62.1
61.2	12:36:24		61.2	61.2
60.5	12:36:25		60.5	60.5
60.0	12:36:26		60.0	60.0
59.1	12:36:27		59.1	59.1
58.3	12:36:28		58.3	58.3
58.0	12:36:29		58.0	58.0
57.4	12:36:30		57.4	57.4
56.9	12:36:31		56.9	56.9
56.5	12:36:32		56.5	56.5
55.7	12:36:33		55.7	55.7
54.9	12:36:34		54.9	54.9
55.2	12:36:35		55.2	55.2
56.6	12:36:36		56.6	56.6
56.0	12:36:37		56.0	56.0
55.1	12:36:38		55.1	55.1
55.1	12:36:39		55.1	55.1
55.2	12:36:40		55.2	55.2
55.0	12:36:41		55.0	55.0
55.2	12:36:42		55.2	55.2
55.2	12:36:43		55.2	55.2
55.5	12:36:44		55.5	55.5
56.6	12:36:45		56.6	56.6
58.9	12:36:46		58.9	58.9
61.2	12:36:47		61.2	61.2
61.5	12:36:48		61.5	61.5
60.6	12:36:49		60.6	60.6
59.4	12:36:50		59.4	59.4
58.9	12:36:51		58.9	58.9
58.2	12:36:52		58.2	58.2
57.7	12:36:53		57.7	57.7
56.4	12:36:54		56.4	56.4
55.7	12:36:55		55.7	55.7
54.9	12:36:56		54.9	54.9
54.5	12:36:57		54.5	54.5
55.0	12:36:58		55.0	55.0
55.4	12:36:59		55.4	55.4
54.5	12:37:00		54.5	54.5
53.9	12:37:01		53.9	53.9
53.2	12:37:02		53.2	53.2
52.5	12:37:03		52.5	52.5
51.9	12:37:04		51.9	51.9
51.6	12:37:05		51.6	51.6
51.5	12:37:06		51.5	51.5
51.7	12:37:07		51.7	51.7
52.1	12:37:08		52.1	52.1
52.7	12:37:09		52.7	52.7
54.5	12:37:10		54.5	54.5
58.0	12:37:11		58.0	58.0
59.3	12:37:12		59.3	59.3
60.0	12:37:13		60.0	60.0
60.0	12:37:14		60.0	60.0
59.6	12:37:15		59.6	59.6
58.7	12:37:16		58.7	58.7
57.6	12:37:17		57.6	57.6
56.4	12:37:18		56.4	56.4
55.5	12:37:19		55.5	55.5
55.2	12:37:20		55.2	55.2
55.6	12:37:21		55.6	55.6
56.7	12:37:22		56.7	56.7
57.2	12:37:23		57.2	57.2
57.8	12:37:24		57.8	57.8
57.4	12:37:25		57.4	57.4
57.9	12:37:26		57.9	57.9
57.8	12:37:27		57.8	57.8
58.1	12:37:28		58.1	58.1
59.8	12:37:29		59.8	59.8
59.3	12:37:30		59.3	59.3
58.2	12:37:31		58.2	58.2
57.6	12:37:32		57.6	57.6
56.8	12:37:33		56.8	56.8
56.9	12:37:34		56.9	56.9
57.5	12:37:35		57.5	57.5
57.5	12:37:36		57.5	57.5
56.9	12:37:37		56.9	56.9
61.2	12:37:38		61.2	61.2
63.6	12:37:39		63.6	63.6
63.4	12:37:40		63.4	63.4
62.7	12:37:41		62.7	62.7
63.2	12:37:42		63.2	63.2
64.0	12:37:43		64.0	64.0
63.6	12:37:44		63.6	63.6
62.9	12:37:45		62.9	62.9
62.8	12:37:46		62.8	62.8
62.7	12:37:47		62.7	62.7
63.1	12:37:48		63.1	63.1
63.4	12:37:49		63.4	63.4
63.0	12:37:50		63.0	63.0
63.4	12:37:51		63.4	63.4
63.4	12:37:52		63.4	63.4
62.9	12:37:53		62.9	62.9
62.4	12:37:54		62.4	62.4
62.9	12:37:55		62.9	62.9
63.2	12:37:56		63.2	63.2
67.9	12:37:57		67.9	67.9
68.0	12:37:58		68.0	68.0
67.0	12:37:59		67.0	67.0
65.4	12:38:00		65.4	65.4
64.3	12:38:01		64.3	64.3
63.6	12:38:02		63.6	63.6
63.0	12:38:03		63.0	63.0
62.0	12:38:04		62.0	62.0
62.3	12:38:05		62.3	62.3
62.2	12:38:06		62.2	62.2
63.5	12:38:07		63.5	63.5
64.0	12:38:08		64.0	64.0
63.5	12:38:09		63.5	63.5
63.8	12:38:10		63.8	63.8
64.4	12:38:11		64.4	64.4
64.6	12:38:12		64.6	64.6
64.0	12:38:13		64.0	64.0
64.2	12:38:14		64.2	64.2
63.8	12:38:15		63.8	63.8
62.9	12:38:16		62.9	62.9
64.0	12:38:17		64.0	64.0
65.6	12:38:18		65.6	65.6
65.2	12:38:19		65.2	65.2
64.0	12:38:20		64.0	64.0
63.6	12:38:21		63.6	63.6
63.6	12:38:22		63.6	63.6
63.9	12:38:23		63.9	63.9
63.7	12:38:24		63.7	63.7
63.5	12:38:25		63.5	63.5
63.0	12:38:26		63.0	63.0
62.5	12:38:27		62.5	62.5
62.1	12:38:28		62.1	62.1
62.0	12:38:29		62.0	62.0
63.0	12:38:30		63.0	63.0
65.3	12:38:31		65.3	65.3
65.2	12:38:32		65.2	65.2
63.9	12:38:33		63.9	63.9
62.7	12:38:34		62.7	62.7
62.0	12:38:35		62.0	62.0
62.6	12:38:36		62.6	62.6
63.1	12:38:37		63.1	63.1
62.3	12:38:38		62.3	62.3
61.6	12:38:39		61.6	61.6
64.2	12:38:40		64.2	64.2
64.6	12:38:41		64.6	64.6
63.7	12:38:42		63.7	63.7

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
63.6	12:43:18		63.6	63.6
62.6	12:43:19		62.6	62.6
61.7	12:43:20		61.7	61.7
60.1	12:43:21		60.1	60.1
58.6	12:43:22		58.6	58.6
58.2	12:43:23		58.2	58.2
57.9	12:43:24		57.9	57.9
57.6	12:43:25		57.6	57.6
57.9	12:43:26		57.9	57.9
58.4	12:43:27		58.4	58.4
57.9	12:43:28		57.9	57.9
56.8	12:43:29		56.8	56.8
56.3	12:43:30		56.3	56.3
55.1	12:43:31		55.1	55.1
54.9	12:43:32		54.9	54.9
57.5	12:43:33		57.5	57.5
57.3	12:43:34		57.3	57.3
56.5	12:43:35		56.5	56.5
55.9	12:43:36		55.9	55.9
55.6	12:43:37		55.6	55.6
57.2	12:43:38		57.2	57.2
59.4	12:43:39		59.4	59.4
59.7	12:43:40		59.7	59.7
57.9	12:43:41		57.9	57.9
56.7	12:43:42		56.7	56.7
56.5	12:43:43		56.5	56.5
55.9	12:43:44		55.9	55.9
55.3	12:43:45		55.3	55.3
55.5	12:43:46		55.5	55.5
55.2	12:43:47		55.2	55.2
55.9	12:43:48		55.9	55.9
57.3	12:43:49		57.3	57.3
58.6	12:43:50		58.6	58.6
59.4	12:43:51		59.4	59.4
58.8	12:43:52		58.8	58.8
57.4	12:43:53		57.4	57.4
57.7	12:43:54		57.7	57.7
58.2	12:43:55		58.2	58.2
62.5	12:43:56		62.5	62.5
61.6	12:43:57		61.6	61.6
60.7	12:43:58		60.7	60.7
60.2	12:43:59		60.2	60.2
61.7	12:44:00		61.7	61.7
61.6	12:44:01		61.6	61.6
60.9	12:44:02		60.9	60.9
60.8	12:44:03		60.8	60.8
60.3	12:44:04		60.3	60.3
59.8	12:44:05		59.8	59.8
59.8	12:44:06		59.8	59.8
60.1	12:44:07		60.1	60.1
60.7	12:44:08		60.7	60.7
60.7	12:44:09		60.7	60.7
61.1	12:44:10		61.1	61.1
63.3	12:44:11		63.3	63.3
64.0	12:44:12		64.0	64.0
64.2	12:44:13		64.2	64.2
68.0	12:44:14		68.0	68.0
68.2	12:44:15		68.2	68.2
68.5	12:44:16		68.5	68.5
67.9	12:44:17		67.9	67.9
67.4	12:44:18		67.4	67.4
66.5	12:44:19		66.5	66.5
66.6	12:44:20		66.6	66.6
66.5	12:44:21		66.5	66.5
65.5	12:44:22		65.5	65.5
65.0	12:44:23		65.0	65.0
64.6	12:44:24		64.6	64.6
64.2	12:44:25		64.2	64.2
63.8	12:44:26		63.8	63.8
63.1	12:44:27		63.1	63.1
62.4	12:44:28		62.4	62.4
62.9	12:44:29		62.9	62.9
62.8	12:44:30		62.8	62.8
63.4	12:44:31		63.4	63.4
64.2	12:44:32		64.2	64.2
63.7	12:44:33		63.7	63.7
63.0	12:44:34		63.0	63.0
62.9	12:44:35		62.9	62.9
63.2	12:44:36		63.2	63.2
62.8	12:44:37		62.8	62.8
62.8	12:44:38		62.8	62.8
62.2	12:44:39		62.2	62.2
62.3	12:44:40		62.3	62.3
61.5	12:44:41		61.5	61.5
61.3	12:44:42		61.3	61.3
61.5	12:44:43		61.5	61.5
61.2	12:44:44		61.2	61.2
60.9	12:44:45		60.9	60.9
60.2	12:44:46		60.2	60.2
59.8	12:44:47		59.8	59.8
59.8	12:44:48		59.8	59.8
59.2	12:44:49		59.2	59.2
59.2	12:44:50		59.2	59.2
58.4	12:44:51		58.4	58.4
59.0	12:44:52		59.0	59.0
58.9	12:44:53		58.9	58.9
59.0	12:44:54		59.0	59.0
58.6	12:44:55		58.6	58.6
59.0	12:44:56		59.0	59.0
61.0	12:44:57		61.0	61.0
60.3	12:44:58		60.3	60.3
59.6	12:44:59		59.6	59.6
59.9	12:45:00		59.9	59.9
60.2	12:45:01		60.2	60.2
59.2	12:45:02		59.2	59.2
57.4	12:45:03		57.4	57.4
55.7	12:45:04		55.7	55.7
55.3	12:45:05		55.3	55.3
54.2	12:45:06		54.2	54.2
53.6	12:45:07		53.6	53.6
55.0	12:45:08		55.0	55.0
56.0	12:45:09		56.0	56.0
57.2	12:45:10		57.2	57.2
58.2	12:45:11		58.2	58.2
57.9	12:45:12		57.9	57.9
56.9	12:45:13		56.9	56.9
57.8	12:45:14		57.8	57.8
57.7	12:45:15		57.7	57.7
57.1	12:45:16		57.1	57.1
57.8	12:45:17		57.8	57.8
60.4	12:45:18		60.4	60.4
60.3	12:45:19		60.3	60.3
58.5	12:45:20		58.5	58.5
57.1	12:45:21		57.1	57.1
57.4	12:45:22		57.4	57.4
58.9	12:45:23		58.9	58.9
58.5	12:45:24		58.5	58.5
57.5	12:45:25		57.5	57.5
58.0	12:45:26		58.0	58.0
56.6	12:45:27		56.6	56.6
54.9	12:45:28		54.9	54.9
54.7	12:45:29		54.7	54.7
54.3	12:45:30		54.3	54.3
53.0	12:45:31		53.0	53.0
53.3	12:45:32		53.3	53.3
53.5	12:45:33		53.5	53.5
53.4	12:45:34		53.4	53.4
52.5	12:45:35		52.5	52.5
52.9	12:45:36		52.9	52.9
54.3	12:45:37		54.3	54.3
54.8	12:45:38		54.8	54.8
55.2	12:45:39		55.2	55.2
54.2	12:45:40		54.2	54.2
52.7	12:45:41		52.7	52.7
52.0	12:45:42		52.0	52.0
51.0	12:45:43		51.0	51.0
50.9	12:45:44		50.9	50.9
50.9	12:45:45		50.9	50.9
50.5	12:45:46		50.5	50.5
50.4	12:45:47		50.4	50.4
50.7	12:45:48		50.7	50.7
52.2	12:45:49		52.2	52.2
56.4	12:45:50		56.4	56.4
56.3	12:45:51		56.3	56.3
54.8	12:45:52		54.8	54.8
53.7	12:45:53		53.7	53.7
53.9	12:45:54		53.9	53.9
54.8	12:45:55		54.8	54.8
54.8	12:45:56		54.8	54.8
54.1	12:45:57		54.1	54.1
53.8	12:45:58		53.8	53.8
54.8	12:45:59		54.8	54.8
55.3	12:46:00		55.3	55.3
54.0	12:46:01		54.0	54.0
53.3	12:46:02		53.3	53.3
53.1	12:46:03		53.1	53.1
53.7	12:46:04		53.7	53.7
54.8	12:46:05		54.8	54.8
53.6	12:46:06		53.6	53.6
52.7	12:46:07		52.7	52.7
52.1	12:46:08		52.1	52.1
52.0	12:46:09		52.0	52.0
52.9	12:46:10		52.9	52.9
53.1	12:46:11		53.1	53.1
52.4	12:46:12		52.4	52.4
52.6	12:46:13		52.6	52.6
57.5	12:46:14		57.5	57.5
58.3	12:46:15		58.3	58.3
56.6	12:46:16		56.6	56.6
56.0	12:46:17		56.0	56.0
57.2	12:46:18		57.2	57.2
57.1	12:46:19		57.1	57.1
57.3	12:46:20		57.3	57.3
58.8	12:46:21		58.8	58.8
60.1	12:46:22		60.1	60.1
62.0	12:46:23		62.0	62.0
61.3	12:46:24		61.3	61.3
62.7	12:46:25		62.7	62.7
64.2	12:46:26		64.2	64.2

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.3	12:53:44		58.3	58.3
58.5	12:53:45		58.5	58.5
58.7	12:53:46		58.7	58.7
58.8	12:53:47		58.8	58.8
58.6	12:53:48		58.6	58.6
58.9	12:53:49		58.9	58.9
59.4	12:53:50		59.4	59.4
61.4	12:53:51		61.4	61.4
62.0	12:53:52		62.0	62.0
61.3	12:53:53		61.3	61.3
60.7	12:53:54		60.7	60.7
60.2	12:53:55		60.2	60.2
59.8	12:53:56		59.8	59.8
60.6	12:53:57		60.6	60.6
60.6	12:53:58		60.6	60.6
60.3	12:53:59		60.3	60.3
60.2	12:54:00		60.2	60.2
59.8	12:54:01		59.8	59.8
59.3	12:54:02		59.3	59.3
60.0	12:54:03		60.0	60.0
62.5	12:54:04		62.5	62.5
62.6	12:54:05		62.6	62.6
62.6	12:54:06		62.6	62.6
63.4	12:54:07		63.4	63.4
62.6	12:54:08		62.6	62.6
61.5	12:54:09		61.5	61.5
60.0	12:54:10		60.0	60.0
60.7	12:54:11		60.7	60.7
61.8	12:54:12		61.8	61.8
62.4	12:54:13		62.4	62.4
61.4	12:54:14		61.4	61.4
60.7	12:54:15		60.7	60.7
60.3	12:54:16		60.3	60.3
60.0	12:54:17		60.0	60.0
61.8	12:54:18		61.8	61.8
59.8	12:54:19		59.8	59.8
58.6	12:54:20		58.6	58.6
58.3	12:54:21		58.3	58.3
58.7	12:54:22		58.7	58.7
58.7	12:54:23		58.7	58.7
58.5	12:54:24		58.5	58.5
58.3	12:54:25		58.3	58.3
58.2	12:54:26		58.2	58.2
57.9	12:54:27		57.9	57.9
57.4	12:54:28		57.4	57.4
57.0	12:54:29		57.0	57.0
56.8	12:54:30		56.8	56.8
56.9	12:54:31		56.9	56.9
57.0	12:54:32		57.0	57.0
57.0	12:54:33		57.0	57.0
57.3	12:54:34		57.3	57.3
57.3	12:54:35		57.3	57.3
57.2	12:54:36		57.2	57.2
57.3	12:54:37		57.3	57.3
57.5	12:54:38		57.5	57.5
57.5	12:54:39		57.5	57.5
57.8	12:54:40		57.8	57.8
58.4	12:54:41		58.4	58.4
58.6	12:54:42		58.6	58.6
58.6	12:54:43		58.6	58.6
58.5	12:54:44		58.5	58.5
58.5	12:54:45		58.5	58.5
58.7	12:54:46		58.7	58.7
59.0	12:54:47		59.0	59.0
59.1	12:54:48		59.1	59.1
58.7	12:54:49		58.7	58.7
58.5	12:54:50		58.5	58.5
58.4	12:54:51		58.4	58.4
58.1	12:54:52		58.1	58.1
58.0	12:54:53		58.0	58.0
58.1	12:54:54		58.1	58.1
58.3	12:54:55		58.3	58.3
58.7	12:54:56		58.7	58.7
58.5	12:54:57		58.5	58.5
58.2	12:54:58		58.2	58.2
58.0	12:54:59		58.0	58.0
58.0	12:55:00		58.0	58.0
58.9	12:55:01		58.9	58.9
58.7	12:55:02		58.7	58.7
58.6	12:55:03		58.6	58.6
58.5	12:55:04		58.5	58.5
59.6	12:55:05		59.6	59.6
63.2	12:55:06		63.2	63.2
63.7	12:55:07		63.7	63.7
64.0	12:55:08		64.0	64.0
63.7	12:55:09		63.7	63.7
63.9	12:55:10		63.9	63.9
62.7	12:55:11		62.7	62.7
61.8	12:55:12		61.8	61.8
61.6	12:55:13		61.6	61.6
60.6	12:55:14		60.6	60.6
59.6	12:55:15		59.6	59.6
58.9	12:55:16		58.9	58.9
58.6	12:55:17		58.6	58.6
58.2	12:55:18		58.2	58.2
57.8	12:55:19		57.8	57.8
57.5	12:55:20		57.5	57.5
57.3	12:55:21		57.3	57.3
57.5	12:55:22		57.5	57.5
57.4	12:55:23		57.4	57.4
57.4	12:55:24		57.4	57.4
57.5	12:55:25		57.5	57.5
57.3	12:55:26		57.3	57.3
57.4	12:55:27		57.4	57.4
57.8	12:55:28		57.8	57.8
58.3	12:55:29		58.3	58.3
58.2	12:55:30		58.2	58.2
58.1	12:55:31		58.1	58.1
58.2	12:55:32		58.2	58.2
58.1	12:55:33		58.1	58.1
58.0	12:55:34		58.0	58.0
58.0	12:55:35		58.0	58.0
57.6	12:55:36		57.6	57.6
57.6	12:55:37		57.6	57.6
59.5	12:55:38		59.5	59.5
67.0	12:55:39		67.0	67.0
69.7	12:55:40		69.7	69.7
70.9	12:55:41		70.9	70.9
70.5	12:55:42		70.5	70.5
68.1	12:55:43		68.1	68.1
69.3	12:55:44		69.3	69.3
67.6	12:55:45		67.6	67.6
65.6	12:55:46		65.6	65.6
63.0	12:55:47		63.0	63.0
62.7	12:55:48		62.7	62.7
62.1	12:55:49		62.1	62.1
61.4	12:55:50		61.4	61.4
62.1	12:55:51		62.1	62.1
61.6	12:55:52		61.6	61.6
59.9	12:55:53		59.9	59.9
58.9	12:55:54		58.9	58.9
58.9	12:55:55		58.9	58.9
58.6	12:55:56		58.6	58.6
57.8	12:55:57		57.8	57.8
57.7	12:55:58		57.7	57.7
57.7	12:55:59		57.7	57.7
57.7	12:56:00		57.7	57.7
57.7	12:56:01		57.7	57.7
58.2	12:56:02		58.2	58.2
58.7	12:56:03		58.7	58.7
60.1	12:56:04		60.1	60.1
61.5	12:56:05		61.5	61.5
60.6	12:56:06		60.6	60.6
60.0	12:56:07		60.0	60.0
59.5	12:56:08		59.5	59.5
59.8	12:56:09		59.8	59.8
63.1	12:56:10		63.1	63.1
63.1	12:56:11		63.1	63.1
61.5	12:56:12		61.5	61.5
61.9	12:56:13		61.9	61.9
62.5	12:56:14		62.5	62.5
61.4	12:56:15		61.4	61.4
61.3	12:56:16		61.3	61.3
60.3	12:56:17		60.3	60.3
59.3	12:56:18		59.3	59.3
59.2	12:56:19		59.2	59.2
59.1	12:56:20		59.1	59.1
58.6	12:56:21		58.6	58.6
58.9	12:56:22		58.9	58.9
62.0	12:56:23		62.0	62.0
63.5	12:56:24		63.5	63.5
62.9	12:56:25		62.9	62.9
61.4	12:56:26		61.4	61.4
60.7	12:56:27		60.7	60.7
59.5	12:56:28		59.5	59.5
59.4	12:56:29		59.4	59.4
59.3

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.1	12:38:43		62.1	62.1
61.0	12:38:44		61.0	61.0
60.5	12:38:45		60.5	60.5
60.2	12:38:46		60.2	60.2
61.2	12:38:47		61.2	61.2
61.9	12:38:48		61.9	61.9
60.7	12:38:49		60.7	60.7
59.1	12:38:50		59.1	59.1
57.8	12:38:51		57.8	57.8
56.9	12:38:52		56.9	56.9
58.3	12:38:53		58.3	58.3
56.1	12:38:54		56.1	56.1
55.8	12:38:55		55.8	55.8
55.4	12:38:56		55.4	55.4
55.5	12:38:57		55.5	55.5
55.6	12:38:58		55.6	55.6
56.2	12:38:59		56.2	56.2
58.7	12:39:00		58.7	58.7
58.3	12:39:01		58.3	58.3
58.7	12:39:02		58.7	58.7
59.1	12:39:03		59.1	59.1
59.5	12:39:04		59.5	59.5
59.4	12:39:05		59.4	59.4
59.1	12:39:06		59.1	59.1
59.7	12:39:07		59.7	59.7
59.2	12:39:08		59.2	59.2
58.6	12:39:09		58.6	58.6
57.8	12:39:10		57.8	57.8
57.1	12:39:11		57.1	57.1
56.2	12:39:12		56.2	56.2
59.1	12:39:13		59.1	59.1
59.0	12:39:14		59.0	59.0
57.9	12:39:15		57.9	57.9
56.7	12:39:16		56.7	56.7
55.6	12:39:17		55.6	55.6
54.6	12:39:18		54.6	54.6
53.7	12:39:19		53.7	53.7
53.2	12:39:20		53.2	53.2
53.1	12:39:21		53.1	53.1
53.9	12:39:22		53.9	53.9
55.0	12:39:23		55.0	55.0
55.3	12:39:24		55.3	55.3
54.7	12:39:25		54.7	54.7
54.4	12:39:26		54.4	54.4
55.0	12:39:27		55.0	55.0
56.0	12:39:28		56.0	56.0
55.2	12:39:29		55.2	55.2
55.2	12:39:30		55.2	55.2
55.3	12:39:31		55.3	55.3
55.7	12:39:32		55.7	55.7
58.1	12:39:33		58.1	58.1
58.8	12:39:34		58.8	58.8
58.4	12:39:35		58.4	58.4
57.3	12:39:36		57.3	57.3
55.9	12:39:37		55.9	55.9
55.0	12:39:38		55.0	55.0
54.4	12:39:39		54.4	54.4
53.9	12:39:40		53.9	53.9
53.5	12:39:41		53.5	53.5
53.2	12:39:42		53.2	53.2
53.3	12:39:43		53.3	53.3
52.8	12:39:44		52.8	52.8
52.4	12:39:45		52.4	52.4
52.1	12:39:46		52.1	52.1
52.0	12:39:47		52.0	52.0
52.1	12:39:48		52.1	52.1
52.2	12:39:49		52.2	52.2
52.0	12:39:50		52.0	52.0
52.0	12:39:51		52.0	52.0
52.2	12:39:52		52.2	52.2
52.4	12:39:53		52.4	52.4
52.6	12:39:54		52.6	52.6
52.7	12:39:55		52.7	52.7
52.7	12:39:56		52.7	52.7
52.5	12:39:57		52.5	52.5
53.1	12:39:58		53.1	53.1
53.1	12:39:59		53.1	53.1
52.9	12:40:00		52.9	52.9
52.6	12:40:01		52.6	52.6
53.1	12:40:02		53.1	53.1
53.6	12:40:03		53.6	53.6
53.7	12:40:04		53.7	53.7
54.2	12:40:05		54.2	54.2
54.7	12:40:06		54.7	54.7
55.3	12:40:07		55.3	55.3
58.0	12:40:08		58.0	58.0
61.0	12:40:09		61.0	61.0
62.0	12:40:10		62.0	62.0
62.9	12:40:11		62.9	62.9
62.8	12:40:12		62.8	62.8
62.3	12:40:13		62.3	62.3
61.8	12:40:14		61.8	61.8
61.5	12:40:15		61.5	61.5
60.2	12:40:16		60.2	60.2
59.2	12:40:17		59.2	59.2
58.5	12:40:18		58.5	58.5
57.9	12:40:19		57.9	57.9
57.4	12:40:20		57.4	57.4
56.9	12:40:21		56.9	56.9
57.0	12:40:22		57.0	57.0
60.2	12:40:23		60.2	60.2
63.2	12:40:24		63.2	63.2
64.1	12:40:25		64.1	64.1
64.8	12:40:26		64.8	64.8
65.9	12:40:27		65.9	65.9
66.6	12:40:28		66.6	66.6
68.2	12:40:29		68.2	68.2
68.9	12:40:30		68.9	68.9
69.0	12:40:31		69.0	69.0
68.5	12:40:32		68.5	68.5
68.6	12:40:33		68.6	68.6
68.2	12:40:34		68.2	68.2
67.8	12:40:35		67.8	67.8
67.0	12:40:36		67.0	67.0
65.9	12:40:37		65.9	65.9
65.4	12:40:38		65.4	65.4
65.3	12:40:39		65.3	65.3
64.7	12:40:40		64.7	64.7
64.3	12:40:41		64.3	64.3
64.2	12:40:42		64.2	64.2
64.2	12:40:43		64.2	64.2
64.0	12:40:44		64.0	64.0
64.1	12:40:45		64.1	64.1
63.6	12:40:46		63.6	63.6
63.7	12:40:47		63.7	63.7
63.1	12:40:48		63.1	63.1
62.7	12:40:49		62.7	62.7
62.3	12:40:50		62.3	62.3
61.7	12:40:51		61.7	61.7
62.0	12:40:52		62.0	62.0
61.4	12:40:53		61.4	61.4
60.9	12:40:54		60.9	60.9
60.9	12:40:55		60.9	60.9
61.4	12:40:56		61.4	61.4
61.0	12:40:57		61.0	61.0
61.2	12:40:58		61.2	61.2
61.9	12:40:59		61.9	61.9
62.9	12:41:00		62.9	62.9
63.6	12:41:01		63.6	63.6
63.5	12:41:02		63.5	63.5
63.2	12:41:03		63.2	63.2
62.9	12:41:04		62.9	62.9
62.0	12:41:05		62.0	62.0
61.0	12:41:06		61.0	61.0
60.0	12:41:07		60.0	60.0
58.3	12:41:08		58.3	58.3
56.8	12:41:09		56.8	56.8
56.4	12:41:10		56.4	56.4
58.6	12:41:11		58.6	58.6
59.4	12:41:12		59.4	59.4
58.3	12:41:13		58.3	58.3
57.7	12:41:14		57.7	57.7
57.2	12:41:15		57.2	57.2
56.6	12:41:16		56.6	56.6
56.6	12:41:17		56.6	56.6
58.7	12:41:18		58.7	58.7
59.0	12:41:19		59.0	59.0
59.6	12:41:20		59.6	59.6
59.2	12:41:21		59.2	59.2
58.9	12:41:22		58.9	58.9
59.7	12:41:23		59.7	59.7
62.5	12:41:24		62.5	62.5
62.7	12:41:25		62.7	62.7
61.4	12:41:26		61.4	61.4
59.1	12:41:27		59.1	59.1
57.1	12:41:28		57.1	57.1
56.4	12:41:29		56.4	56.4
55.1	12:41:30		55.1	55.1
53.8	12:41:31		53.8	53.8
52.9	12:41:32		52.9	52.9
52.4	12:41:33		52.4	52.4
53.3	12:41:34		53.3	53.3
54.5	12:41:35		54.5	54.5
55.8	12:41:36		55.8	55.8
56.2	12:41:37		56.2	56.2
55.9	12:41:38		55.9	55.9
55.2	12:41:39		55.2	55.2
54.4	12:41:40		54.4	54.4
56.5	12:41:41		56.5	56.5
59.0	12:41:42		59.0	59.0
59.7	12:41:43		59.7	59.7
60.6	12:41:44		60.6	60.6
60.4	12:41:45		60.4	60.4
59.2	12:41:46		59.2	59.2
57.0	12:41:47		57.0	57.0
55.8	12:41:48		55.8	55.8
55.0	12:41:49		55.0	55.0
54.3	12:41:50		54.3	54.3
54.0	12:41:51		54.0	54.0
53.7	12:41:52		53.7	53.7
53.9	12:41:53		53.9	53.9
56.1	12:41:54		56.1	56.1
56.6	12:41:55		56.6	56.6
56.7	12:41:56		56.7	56.7
57.7	12:41:57		57.7	57.7
57.1	12:41:58		57.1	57.1
56.8	12:41:59		56.8	56.8
55.8	12:42:00		55.8	55.8
54.5	12:42:01		54.5	54.5
54.1	12:42:02		54.1	54.1
54.1	12:42:03		54.1	54.1
54.4	12:42:04		54.4	54.4
57.6	12:42:05		57.6	57.6
57.8	12:42:06		57.8	57.8
58.2	12:42:07		58.2	58.2
58.2	12:42:08		58.2	58.2

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.1	12:46:27		64.1	64.1
62.7	12:46:28		62.7	62.7
61.1	12:46:29		61.1	61.1
61.1	12:46:30		61.1	61.1
62.0	12:46:31		62.0	62.0
62.0	12:46:32		62.0	62.0
61.9	12:46:33		61.9	61.9
61.9	12:46:34		61.9	61.9
61.6	12:46:35		61.6	61.6
61.4	12:46:36		61.4	61.4
62.1	12:46:37		62.1	62.1
61.7	12:46:38		61.7	61.7
62.2	12:46:39		62.2	62.2
63.7	12:46:40		63.7	63.7
63.9	12:46:41		63.9	63.9
63.2	12:46:42		63.2	63.2
62.7	12:46:43		62.7	62.7
62.8	12:46:44		62.8	62.8
62.6	12:46:45		62.6	62.6
63.0	12:46:46		63.0	63.0
64.2	12:46:47		64.2	64.2
63.9	12:46:48		63.9	63.9
63.6	12:46:49		63.6	63.6
62.3	12:46:50		62.3	62.3
62.0	12:46:51		62.0	62.0
61.6	12:46:52		61.6	61.6
61.0	12:46:53		61.0	61.0
60.2	12:46:54		60.2	60.2
60.0	12:46:55		60.0	60.0
59.3	12:46:56		59.3	59.3
59.6	12:46:57		59.6	59.6
60.3	12:46:58		60.3	60.3
61.6	12:46:59		61.6	61.6
61.7	12:47:00		61.7	61.7
61.4	12:47:01		61.4	61.4
60.4	12:47:02		60.4	60.4
59.8	12:47:03		59.8	59.8
59.7	12:47:04		59.7	59.7
60.6	12:47:05		60.6	60.6
60.7	12:47:06		60.7	60.7
61.0	12:47:07		61.0	61.0
60.6	12:47:08		60.6	60.6
59.3	12:47:09		59.3	59.3
59.5	12:47:10		59.5	59.5
60.0	12:47:11		60.0	60.0
58.8	12:47:12		58.8	58.8
57.5	12:47:13		57.5	57.5
57.1	12:47:14		57.1	57.1
57.5	12:47:15		57.5	57.5
57.8	12:47:16		57.8	57.8
57.5	12:47:17		57.5	57.5
59.2	12:47:18		59.2	59.2
58.6	12:47:19		58.6	58.6
58.0	12:47:20		58.0	58.0
58.1	12:47:21		58.1	58.1
58.8	12:47:22		58.8	58.8
58.1	12:47:23		58.1	58.1
59.2	12:47:24		59.2	59.2
57.8	12:47:25		57.8	57.8
56.6	12:47:26		56.6	56.6
55.8	12:47:27		55.8	55.8
54.2	12:47:28		54.2	54.2
53.7	12:47:29		53.7	53.7
54.3	12:47:30		54.3	54.3
55.8	12:47:31		55.8	55.8
55.0	12:47:32		55.0	55.0
54.5	12:47:33		54.5	54.5
55.0	12:47:34		55.0	55.0
56.3	12:47:35		56.3	56.3
56.6	12:47:36		56.6	56.6
58.0	12:47:37		58.0	58.0
56.5	12:47:38		56.5	56.5
54.4	12:47:39		54.4	54.4
52.7	12:47:40		52.7	52.7
52.3	12:47:41		52.3	52.3
53.1	12:47:42		53.1	53.1
55.3	12:47:43		55.3	55.3
56.5	12:47:44		56.5	56.5
59.0	12:47:45		59.0	59.0
62.6	12:47:46		62.6	62.6
63.7	12:47:47		63.7	63.7
61.9	12:47:48		61.9	61.9
59.7	12:47:49		59.7	59.7
58.0	12:47:50		58.0	58.0
56.3	12:47:51		56.3	56.3
55.7	12:47:52		55.7	55.7
55.4	12:47:53		55.4	55.4
55.5	12:47:54		55.5	55.5
56.8	12:47:55		56.8	56.8
55.8	12:47:56		55.8	55.8
57.2	12:47:57		57.2	57.2
58.0	12:47:58		58.0	58.0
58.1	12:47:59		58.1	58.1
58.8	12:48:00		58.8	58.8
58.7	12:48:01		58.7	58.7
57.6	12:48:02		57.6	57.6
55.9	12:48:03		55.9	55.9
55.7	12:48:04		55.7	55.7
55.5	12:48:05		55.5	55.5
54.2	12:48:06		54.2	54.2
53.5	12:48:07		53.5	53.5
53.1	12:48:08		53.1	53.1
53.2	12:48:09		53.2	53.2
53.5	12:48:10		53.5	53.5
53.7	12:48:11		53.7	53.7
52.7	12:48:12		52.7	52.7
52.1	12:48:13		52.1	52.1
51.8	12:48:14		51.8	51.8
51.0	12:48:15		51.0	51.0
50.5	12:48:16		50.5	50.5
50.6	12:48:17		50.6	50.6
51.9	12:48:18		51.9	51.9
54.5	12:48:19		54.5	54.5
54.7	12:48:20		54.7	54.7
55.8	12:48:21		55.8	55.8
62.0	12:48:22		62.0	62.0
62.7	12:48:23		62.7	62.7
61.4	12:48:24		61.4	61.4
62.1	12:48:25		62.1	62.1
61.4	12:48:26		61.4	61.4
60.6	12:48:27		60.6	60.6
59.1	12:48:28		59.1	59.1
56.9	12:48:29		56.9	56.9
55.1	12:48:30		55.1	55.1
54.3	12:48:31		54.3	54.3
55.8	12:48:32		55.8	55.8
58.5	12:48:33		58.5	58.5
58.4	12:48:34		58.4	58.4
62.2	12:48:35		62.2	62.2
61.8	12:48:36		61.8	61.8
60.4	12:48:37		60.4	60.4
63.1	12:48:38		63.1	63.1
66.4	12:48:39		66.4	66.4
64.9	12:48:40		64.9	64.9
63.6	12:48:41		63.6	63.6
63.0	12:48:42		63.0	63.0
64.2	12:48:43		64.2	64.2
63.3	12:48:44		63.3	63.3
63.1	12:48:45		63.1	63.1
63.8	12:48:46		63.8	63.8
64.2	12:48:47		64.2	64.2
63.9	12:48:48		63.9	63.9
65.2	12:48:49		65.2	65.2
66.1	12:48:50		66.1	66.1
66.4	12:48:51		66.4	66.4
65.7	12:48:52		65.7	65.7
64.8	12:48:53		64.8	64.8
65.4	12:48:54		65.4	65.4
65.3	12:48:55		65.3	65.3
64.8	12:48:56		64.8	64.8
65.2	12:48:57		65.2	65.2
64.9	12:48:58		64.9	64.9
64.6	12:48:59		64.6	64.6
64.0	12:49:00		64.0	64.0
64.7	12:49:01		64.7	64.7
64.0	12:49:02		64.0	64.0
62.9	12:49:03		62.9	62.9
62.0	12:49:04		62.0	62.0
61.7	12:49:05		61.7	61.7
60.9	12:49:06		60.9	60.9
64.8	12:49:07		64.8	64.8
63.2	12:49:08		63.2	63.2
63.8	12:49:09		63.8	63.8
63.8	12:49:10		63.8	63.8
63.3	12:49:11		63.3	63.3
63.2	12:49:12		63.2	63.2
61.9	12:49:13		61.9	61.9
61.4	12:49:14		61.4	61.4
60.9	12:49:15		60.9	60.9
60.5	12:49:16		60.5	60.5
59.3	12:49:17		59.3	59.3
59.5	12:49:18		59.5	59.5
58.6	12:49:19		58.6	58.6
59.0	12:49:20		59.0	59.0
60.4	12:49:21		60.4	60.4
60.9	12:49:22		60.9	60.9
58.9	12:49:23		58.9	58.9
57.4	12:49:24		57.4	57.4
58.0	12:49:25		58.0	58.0
57.0	12:49:26		57.0	57.0
54.8	12:49:27		54.8	54.8
53.2	12:49:28		53.2	53.2
51.8	12:49:29		51.8	51.8
50.9	12:49:30		50.9	50.9
50.4	12:49:31		50.4	50.4
50.2	12:49:32		50.2	50.2
50.4	12:49:33		50.4	50.4
50.7	12:49:34		50.7	50.7
50.4	12:49:35		50.4	50.4
50.2	12:49:36		50.2	50.2
50.7	12:49:37		50.7	50.7
52.2	12:49:38		52.2	52.2
55.2	12:49:39		55.2	55.2
55.3	12:49:40		55.3	55.3
54.2	12:49:41		54.2	54.2
53.3	12:49:42		53.3	53.3
53.0	12:49:43		53.0	53.0
51.0	12:49:44		51.0	51.0
58.4	12:49:45		58.4	58.4
56.4	12:49:46		56.4	56.4
54.8	12:49:47		54.8	54.8
54.2	12:49:48		54.2	54.2
53.9	12:49:49		53.9	53.9
54.2	12:49:50		54.2	54.2
55.7	12:49:51		55.7	55.7
57.6	12:49:52		57.6	57.6

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
63.5	12:56:53		63.5	63.5
62.8	12:56:54		62.8	62.8
61.7	12:56:55		61.7	61.7
61.1	12:56:56		61.1	61.1
60.7	12:56:57		60.7	60.7
62.2	12:56:58		62.2	62.2
61.0	12:56:59		61.0	61.0
59.9	12:57:00		59.9	59.9
58.7	12:57:01		58.7	58.7
58.4	12:57:02		58.4	58.4
58.0	12:57:03		58.0	58.0
58.5	12:57:04		58.5	58.5
59.3	12:57:05		59.3	59.3
60.7	12:57:06		60.7	60.7
62.4	12:57:07		62.4	62.4
64.9	12:57:08		64.9	64.9
63.5	12:57:09		63.5	63.5
61.9	12:57:10		61.9	61.9
60.7	12:57:11		60.7	60.7
59.6	12:57:12		59.6	59.6
59.0	12:57:13		59.0	59.0
61.6	12:57:14		61.6	61.6
60.1	12:57:15		60.1	60.1
59.7	12:57:16		59.7	59.7
59.4	12:57:17		59.4	59.4
59.0	12:57:18		59.0	59.0
58.9	12:57:19		58.9	58.9
60.2	12:57:20		60.2	60.2
59.9	12:57:21		59.9	59.9
61.5	12:57:22		61.5	61.5
60.6	12:57:23		60.6	60.6
60.2	12:57:24		60.2	60.2
60.4	12:57:25		60.4	60.4
61.1	12:57:26		61.1	61.1
61.0	12:57:27		61.0	61.0
63.3	12:57:28		63.3	63.3
63.6	12:57:29		63.6	63.6
62.7	12:57:30		62.7	62.7
61.6	12:57:31		61.6	61.6
60.5	12:57:32		60.5	60.5
59.4	12:57:33		59.4	59.4
59.2	12:57:34		59.2	59.2
62.4	12:57:35		62.4	62.4
63.7	12:57:36		63.7	63.7
62.4	12:57:37		62.4	62.4
62.0	12:57:38		62.0	62.0
64.5	12:57:39		64.5	64.5
63.1	12:57:40		63.1	63.1
61.5	12:57:41		61.5	61.5
60.5	12:57:42		60.5	60.5
60.9	12:57:43		60.9	60.9
62.1	12:57:44		62.1	62.1
61.4	12:57:45		61.4	61.4
61.3	12:57:46		61.3	61.3
61.4	12:57:47		61.4	61.4
61.3	12:57:48		61.3	61.3
61.5	12:57:49		61.5	61.5
61.3	12:57:50		61.3	61.3
61.0	12:57:51		61.0	61.0
60.8	12:57:52		60.8	60.8
62.9	12:57:53		62.9	62.9
63.1	12:57:54		63.1	63.1
63.7	12:57:55		63.7	63.7
65.8	12:57:56		65.8	65.8
63.2	12:57:57		63.2	63.2
61.2	12:57:58		61.2	61.2
61.6	12:57:59		61.6	61.6
61.2	12:58:00		61.2	61.2
60.0	12:58:01		60.0	60.0
59.7	12:58:02		59.7	59.7
61.0	12:58:03		61.0	61.0
61.4	12:58:04		61.4	61.4
60.6	12:58:05		60.6	60.6
59.9	12:58:06		59.9	59.9
59.2	12:58:07		59.2	59.2
59.0	12:58:08		59.0	59.0
59.2	12:58:09		59.2	59.2
58.7	12:58:10		58.7	58.7
58.3	12:58:11		58.3	58.3
57.7	12:58:12		57.7	57.7
57.7	12:58:13		57.7	57.7
57.2	12:58:14		57.2	57.2
57.0	12:58:15		57.0	57.0
57.6	12:58:16		57.6	57.6
58.0	12:58:17		58.0	58.0
58.0	12:58:18		58.0	58.0
58.5	12:58:19		58.5	58.5
59.2	12:58:20		59.2	59.2
59.0	12:58:21		59.0	59.0
58.6	12:58:22		58.6	58.6
58.5	12:58:23		58.5	58.5
59.3	12:58:24		59.3	59.3
60.3	12:58:25		60.3	60.3
60.8	12:58:26		60.8	60.8
61.5	12:58:27		61.5	61.5
61.6	12:58:28		61.6	61.6
61.9	12:58:29		61.9	61.9
61.2	12:58:30		61.2	61.2
61.1	12:58:31		61.1	61.1
61.4	12:58:32		61.4	61.4
61.5	12:58:33		61.5	61.5
64.6	12:58:34		64.6	64.6
63.8	12:58:35		63.8	63.8
63.0	12:58:36		63.0	63.0
64.0	12:58:37		64.0	64.0
63.1	12:58:38		63.1	63.1
61.5	12:58:39		61.5	61.5
61.1	12:58:40		61.1	61.1
60.9	12:58:41		60.9	60.9
62.0	12:58:42		62.0	62.0
64.3	12:58:43		64.3	64.3
66.0	12:58:44		66.0	66.0
65.2	12:58:45		65.2	65.2
63.3	12:58:46		63.3	63.3
62.6	12:58:47		62.6	62.6
62.3	12:58:48		62.3	62.3
62.1	12:58:49		62.1	62.1
62.1	12:58:50		62.1	62.1
62.3	12:58:51		62.3	62.3
62.1	12:58:52		62.1	62.1
62.5	12:58:53		62.5	62.5
62.6	12:58:54		62.6	62.6
62.5	12:58:55		62.5	62.5
62.7	12:58:56		62.7	62.7
62.5	12:58:57		62.5	62.5
62.6	12:58:58		62.6	62.6
62.6	12:58:59		62.6	62.6
62.5	12:59:00		62.5	62.5
62.3	12:59:01		62.3	62.3
62.0	12:59:02		62.0	62.0
62.0	12:59:03		62.0	62.0
62.1	12:59:04		62.1	62.1
61.9

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
57.7	12:42:09		57.7	57.7
58.2	12:42:10		58.2	58.2
58.1	12:42:11		58.1	58.1
59.1	12:42:12		59.1	59.1
61.1	12:42:13		61.1	61.1
62.6	12:42:14		62.6	62.6
62.3	12:42:15		62.3	62.3
61.8	12:42:16		61.8	61.8
61.7	12:42:17		61.7	61.7
62.0	12:42:18		62.0	62.0
62.9	12:42:19		62.9	62.9
63.9	12:42:20		63.9	63.9
64.6	12:42:21		64.6	64.6
65.3	12:42:22		65.3	65.3
64.1	12:42:23		64.1	64.1
62.4	12:42:24		62.4	62.4
62.2	12:42:25		62.2	62.2
62.3	12:42:26		62.3	62.3
63.3	12:42:27		63.3	63.3
63.2	12:42:28		63.2	63.2
63.5	12:42:29		63.5	63.5
62.7	12:42:30		62.7	62.7
61.8	12:42:31		61.8	61.8
61.0	12:42:32		61.0	61.0
60.0	12:42:33		60.0	60.0
59.2	12:42:34		59.2	59.2
59.1	12:42:35		59.1	59.1
58.4	12:42:36		58.4	58.4
59.4	12:42:37		59.4	59.4
60.8	12:42:38		60.8	60.8
61.4	12:42:39		61.4	61.4
61.4	12:42:40		61.4	61.4
63.6	12:42:41		63.6	63.6
64.1	12:42:42		64.1	64.1
63.5	12:42:43		63.5	63.5
63.0	12:42:44		63.0	63.0
62.2	12:42:45		62.2	62.2
61.2	12:42:46		61.2	61.2
60.5	12:42:47		60.5	60.5
60.1	12:42:48		60.1	60.1
59.4	12:42:49		59.4	59.4
59.1	12:42:50		59.1	59.1
59.1	12:42:51		59.1	59.1
59.3	12:42:52		59.3	59.3
59.3	12:42:53		59.3	59.3
59.9	12:42:54		59.9	59.9
60.3	12:42:55		60.3	60.3
64.3	12:42:56		64.3	64.3
66.4	12:42:57		66.4	66.4
66.2	12:42:58		66.2	66.2
64.3	12:42:59		64.3	64.3
63.9	12:43:00		63.9	63.9
62.9	12:43:01		62.9	62.9
62.1	12:43:02		62.1	62.1
61.7	12:43:03		61.7	61.7
60.9	12:43:04		60.9	60.9
60.1	12:43:05		60.1	60.1
60.2	12:43:06		60.2	60.2
61.2	12:43:07		61.2	61.2
62.1	12:43:08		62.1	62.1
63.3	12:43:09		63.3	63.3
63.0	12:43:10		63.0	63.0
61.9	12:43:11		61.9	61.9
61.3	12:43:12		61.3	61.3
60.9	12:43:13		60.9	60.9
59.7	12:43:14		59.7	59.7
58.4	12:43:15		58.4	58.4
56.9	12:43:16		56.9	56.9
55.8	12:43:17		55.8	55.8
54.9	12:43:18		54.9	54.9
54.1	12:43:19		54.1	54.1
54.3	12:43:20		54.3	54.3
55.0	12:43:21		55.0	55.0
54.6	12:43:22		54.6	54.6
54.6	12:43:23		54.6	54.6
54.5	12:43:24		54.5	54.5
54.6	12:43:25		54.6	54.6
55.8	12:43:26		55.8	55.8
55.1	12:43:27		55.1	55.1
54.9	12:43:28		54.9	54.9
54.8	12:43:29		54.8	54.8
55.2	12:43:30		55.2	55.2
57.5	12:43:31		57.5	57.5
57.6	12:43:32		57.6	57.6
57.4	12:43:33		57.4	57.4
58.0	12:43:34		58.0	58.0
58.5	12:43:35		58.5	58.5
59.0	12:43:36		59.0	59.0
60.6	12:43:37		60.6	60.6
62.2	12:43:38		62.2	62.2
64.1	12:43:39		64.1	64.1
66.3	12:43:40		66.3	66.3
65.9	12:43:41		65.9	65.9
65.0	12:43:42		65.0	65.0
63.4	12:43:43		63.4	63.4
61.8	12:43:44		61.8	61.8
60.7	12:43:45		60.7	60.7
60.3	12:43:46		60.3	60.3
60.1	12:43:47		60.1	60.1
59.6	12:43:48		59.6	59.6
59.4	12:43:49		59.4	59.4
58.8	12:43:50		58.8	58.8
58.2	12:43:51		58.2	58.2
58.6	12:43:52		58.6	58.6
58.3	12:43:53		58.3	58.3
57.4	12:43:54		57.4	57.4
57.0	12:43:55		57.0	57.0
56.5	12:43:56		56.5	56.5
55.9	12:43:57		55.9	55.9
55.8	12:43:58		55.8	55.8
57.1	12:43:59		57.1	57.1
58.5	12:44:00		58.5	58.5
58.5	12:44:01		58.5	58.5
57.8	12:44:02		57.8	57.8
56.8	12:44:03		56.8	56.8
57.8	12:44:04		57.8	57.8
59.7	12:44:05		59.7	59.7
59.8	12:44:06		59.8	59.8
58.8	12:44:07		58.8	58.8
57.9	12:44:08		57.9	57.9
57.1	12:44:09		57.1	57.1
56.2	12:44:10		56.2	56.2
55.8	12:44:11		55.8	55.8
55.8	12:44:12		55.8	55.8
56.0	12:44:13		56.0	56.0
55.5	12:44:14		55.5	55.5
56.3	12:44:15		56.3	56.3
56.5	12:44:16		56.5	56.5
56.5	12:44:17		56.5	56.5
57.5	12:44:18		57.5	57.5
58.5	12:44:19		58.5	58.5
59.5	12:44:20		59.5	59.5
58.6	12:44:21		58.6	58.6
58.4	12:44:22		58.4	58.4
58.9	12:44:23		58.9	58.9
59.0	12:44:24		59.0	59.0
59.3	12:44:25		59.3	59.3
59.7	12:44:26		59.7	59.7
59.4	12:44:27		59.4	59.4
59.5	12:44:28		59.5	59.5
58.6	12:44:29		58.6	58.6
58.4	12:44:30		58.4	58.4
58.3	12:44:31		58.3	58.3
58.4	12:44:32		58.4	58.4
58.4	12:44:33		58.4	58.4
58.6	12:44:34		58.6	58.6
59.2	12:44:35		59.2	59.2
59.0	12:44:36		59.0	59.0
59.0	12:44:37		59.0	59.0
62.0	12:44:38		62.0	62.0
63.9	12:44:39		63.9	63.9
64.2	12:44:40		64.2	64.2
65.6	12:44:41		65.6	65.6
67.9	12:44:42		67.9	67.9
67.9	12:44:43		67.9	67.9
67.4	12:44:44		67.4	67.4
66.6	12:44:45		66.6	66.6
66.4	12:44:46		66.4	66.4
65.6	12:44:47		65.6	65.6
65.0	12:44:48		65.0	65.0
65.0	12:44:49		65.0	65.0
65.1	12:44:50		65.1	65.1
65.0	12:44:51		65.0	65.0
64.9	12:44:52		64.9	64.9
64.2	12:44:53		64.2	64.2
64.1	12:44:54		64.1	64.1
64.4	12:44:55		64.4	64.4
64.3	12:44:56		64.3	64.3
64.5	12:44:57		64.5	64.5
64.8	12:44:58		64.8	64.8
64.7	12:44:59		64.7	64.7
64.2	12:45:00		64.2	64.2
64.0	12:45:01		64.0	64.0
64.0	12:45:02		64.0	64.0

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.7	12:49:53		58.7	58.7
59.3	12:49:54		59.3	59.3
60.5	12:49:55		60.5	60.5
60.2	12:49:56		60.2	60.2
58.0	12:49:57		58.0	58.0
55.7	12:49:58		55.7	55.7
54.4	12:49:59		54.4	54.4
54.1	12:50:00		54.1	54.1
53.8	12:50:01		53.8	53.8
55.5	12:50:02		55.5	55.5
55.9	12:50:03		55.9	55.9
54.6	12:50:04		54.6	54.6
54.3	12:50:05		54.3	54.3
54.3	12:50:06		54.3	54.3
55.3	12:50:07		55.3	55.3
55.5	12:50:08		55.5	55.5
56.4	12:50:09		56.4	56.4
57.8	12:50:10		57.8	57.8
58.7	12:50:11		58.7	58.7
57.6	12:50:12		57.6	57.6
56.1	12:50:13		56.1	56.1
58.0	12:50:14		58.0	58.0
55.2	12:50:15		55.2	55.2
53.2	12:50:16		53.2	53.2
52.0	12:50:17		52.0	52.0
51.3	12:50:18		51.3	51.3
52.1	12:50:19		52.1	52.1
53.3	12:50:20		53.3	53.3
53.5	12:50:21		53.5	53.5
53.6	12:50:22		53.6	53.6
55.2	12:50:23		55.2	55.2
55.6	12:50:24		55.6	55.6
55.9	12:50:25		55.9	55.9
56.8	12:50:26		56.8	56.8
57.7	12:50:27		57.7	57.7
59.7	12:50:28		59.7	59.7
59.0	12:50:29		59.0	59.0
57.2	12:50:30		57.2	57.2
56.0	12:50:31		56.0	56.0
55.1	12:50:32		55.1	55.1
55.5	12:50:33		55.5	55.5
54.7	12:50:34		54.7	54.7
52.8	12:50:35		52.8	52.8
52.0	12:50:36		52.0	52.0
51.6	12:50:37		51.6	51.6
51.4	12:50:38		51.4	51.4
51.4	12:50:39		51.4	51.4
51.9	12:50:40		51.9	51.9
52.6	12:50:41		52.6	52.6
53.5	12:50:42		53.5	53.5
53.6	12:50:43		53.6	53.6
54.4	12:50:44		54.4	54.4
55.7	12:50:45		55.7	55.7
56.7	12:50:46		56.7	56.7
56.9	12:50:47		56.9	56.9
60.8	12:50:48		60.8	60.8
62.3	12:50:49		62.3	62.3
61.8	12:50:50		61.8	61.8
59.9	12:50:51		59.9	59.9
58.0	12:50:52		58.0	58.0
56.9	12:50:53		56.9	56.9
57.1	12:50:54		57.1	57.1
60.5	12:50:55		60.5	60.5
62.3	12:50:56		62.3	62.3
62.6	12:50:57		62.6	62.6
63.1	12:50:58		63.1	63.1
63.0	12:50:59		63.0	63.0
61.8	12:51:00		61.8	61.8
62.0	12:51:01		62.0	62.0
62.8	12:51:02		62.8	62.8
64.2	12:51:03		64.2	64.2
64.2	12:51:04		64.2	64.2
64.0	12:51:05		64.0	64.0
63.9	12:51:06		63.9	63.9
63.4	12:51:07		63.4	63.4
64.2	12:51:08		64.2	64.2
65.5	12:51:09		65.5	65.5
66.3	12:51:10		66.3	66.3
66.1	12:51:11		66.1	66.1
65.3	12:51:12		65.3	65.3
65.1	12:51:13		65.1	65.1
65.4	12:51:14		65.4	65.4
68.1	12:51:15		68.1	68.1
68.7	12:51:16		68.7	68.7
67.5	12:51:17		67.5	67.5
65.9	12:51:18		65.9	65.9
64.2	12:51:19		64.2	64.2
63.4	12:51:20		63.4	63.4
63.3	12:51:21		63.3	63.3
62.9	12:51:22		62.9	62.9
62.8	12:51:23		62.8	62.8
62.5	12:51:24		62.5	62.5
64.2	12:51:25		64.2	64.2
65.2	12:51:26		65.2	65.2
65.7	12:51:27		65.7	65.7
64.5	12:51:28		64.5	64.5
63.5	12:51:29		63.5	63.5
64.8	12:51:30		64.8	64.8
64.8	12:51:31		64.8	64.8
64.1	12:51:32		64.1	64.1
63.5	12:51:33		63.5	63.5
62.9	12:51:34		62.9	62.9
62.0	12:51:35		62.0	62.0
60.7	12:51:36		60.7	60.7
60.6	12:51:37		60.6	60.6
60.1	12:51:38		60.1	60.1
60.7	12:51:39		60.7	60.7
59.4	12:51:40		59.4	59.4
57.8	12:51:41		57.8	57.8
57.5	12:51:42		57.5	57.5
57.6	12:51:43		57.6	57.6
58.7	12:51:44		58.7	58.7
58.0	12:51:45		58.0	58.0
57.4	12:51:46		57.4	57.4
57.1	12:51:47		57.1	57.1
58.5	12:51:48		58.5	58.5
59.5	12:51:49		59.5	59.5
59.4	12:51:50		59.4	59.4
59.2	12:51:51		59.2	59.2
58.7	12:51:52		58.7	58.7
58.7	12:51:53		58.7	58.7
59.0	12:51:54		59.0	59.0
59.2	12:51:55		59.2	59.2
59.1	12:51:56		59.1	59.1
60.9	12:51:57		60.9	60.9
61.2	12:51:58		61.2	61.2
63.6	12:51:59		63.6	63.6
64.4	12:52:00		64.4	64.4
61.8	12:52:01		61.8	61.8
61.0	12:52:02		61.0	61.0
61.1	12:52:03		61.1	61.1
62.3	12:52:04		62.3	62.3
61.6	12:52:05		61.6	61.6
60.8	12:52:06		60.8	60.8
58.7	12:52:07		58.7	58.7
58.1	12:52:08		58.1	58.1
59.8	12:52:09		59.8	59.8
59.8	12:52:10		59.8	59.8
58.0	12:52:11		58.0	58.0
57.9	12:52:12		57.9	57.9
58.9	12:52:13		58.9	58.9
60.1	12:52:14		60.1	60.1
59.5	12:52:15		59.5	59.5
58.0	12:52:16		58.0	58.0
56.1	12:52:17		56.1	56.1
56.5	12:52:18		56.5	56.5
58.7	12:52:19		58.7	58.7
61.0	12:52:20		61.0	61.0
61.4	12:52:21		61.4	61.4
59.4	12:52:22		59.4	59.4
57.2	12:52:23		57.2	57.2
55.2	12:52:24		55.2	55.2
53.5	12:52:25		53.5	53.5
52.4	12:52:26		52.4	52.4
52.0	12:52:27		52.0	52.0
52.0	12:52:28		52.0	52.0
51.7	12:52:29		51.7	51.7
51.9	12:52:30		51.9	51.9
52.8	12:52:31		52.8	52.8
53.7	12:52:32		53.7	53.7
53.6	12:52:33		53.6	53.6
54.3	12:52:34		54.3	54.3
54.9	12:52:35		54.9	54.9
54.9	12:52:36		54.9	54.9
55.2	12:52:37		55.2	55.2
56.6	12:52:38		56.6	56.6
59.3	12:52:39		59.3	59.3
58.6	12:52:40		58.6	58.6
57.3	12:52:41		57.3	57.3
56.3	12:52:42		56.3	56.3
55.3	12:52:43		55.3	55.3
54.4	12:52:44		54.4	54.4
54.2	12:52:45		54.2	54.2
54.2	12:52:46		54.2	54.2

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.2	13:00:19		62.2	62.2
62.2	13:00:20		62.2	62.2
62.0	13:00:21		62.0	62.0
61.9	13:00:22		61.9	61.9
61.8	13:00:23		61.8	61.8
61.6	13:00:24		61.6	61.6
61.8	13:00:25		61.8	61.8
61.7	13:00:26		61.7	61.7
61.7	13:00:27		61.7	61.7
61.5	13:00:28		61.5	61.5
61.0	13:00:29		61.0	61.0
60.7	13:00:30		60.7	60.7
60.4	13:00:31		60.4	60.4
60.4	13:00:32		60.4	60.4
60.4	13:00:33		60.4	60.4
60.2	13:00:34		60.2	60.2
60.2	13:00:35		60.2	60.2
60.0	13:00:36		60.0	60.0
59.8	13:00:37		59.8	59.8
59.9	13:00:38		59.9	59.9
60.2	13:00:39		60.2	60.2
60.4	13:00:40		60.4	60.4
60.5	13:00:41		60.5	60.5
60.4	13:00:42		60.4	60.4
60.0	13:00:43		60.0	60.0
59.6	13:00:44		59.6	59.6
59.6	13:00:45		59.6	59.6
59.7	13:00:46		59.7	59.7
59.5	13:00:47		59.5	59.5
59.4	13:00:48		59.4	59.4
59.3	13:00:49		59.3	59.3
59.2	13:00:50		59.2	59.2
59.4	13:00:51		59.4	59.4
59.5	13:00:52		59.5	59.5
59.7	13:00:53		59.7	59.7
59.8	13:00:54		59.8	59.8
60.0	13:00:55		60.0	60.0
59.9	13:00:56		59.9	59.9
60.0	13:00:57		60.0	60.0
60.3	13:00:58		60.3	60.3
60.6	13:00:59		60.6	60.6
60.6	13:01:00		60.6	60.6
60.4	13:01:01		60.4	60.4
60.3	13:01:02		60.3	60.3
60.1	13:01:03		60.1	60.1
59.9	13:01:04		59.9	59.9
59.9	13:01:05		59.9	59.9
59.9	13:01:06		59.9	59.9
60.0	13:01:07		60.0	60.0
60.2	13:01:08		60.2	60.2
60.4	13:01:09		60.4	60.4
60.5	13:01:10		60.5	60.5
60.6	13:01:11		60.6	60.6
60.7	13:01:12		60.7	60.7
60.6	13:01:13		60.6	60.6
60.6	13:01:14		60.6	60.6
60.7	13:01:15		60.7	60.7
60.9	13:01:16		60.9	60.9
61.4	13:01:17		61.4	61.4
61.8	13:01:18		61.8	61.8
61.9	13:01:19		61.9	61.9
61.9	13:01:20		61.9	61.9
61.6	13:01:21		61.6	61.6
61.5	13:01:22		61.5	61.5
61.3	13:01:23		61.3	61.3
61.1	13:01:24		61.1	61.1
61.3	13:01:25		61.3	61.3
61.5	13:01:26		61.5	61.5
61.2	13:01:27		61.2	61.2
61.3	13:01:28		61.3	61.3
61.5	13:01:29		61.5	61.5
61.5	13:01:30		61.5	61.5
61.8	13:01:31		61.8	61.8
62.2	13:01:32		62.2	62.2
62.5	13:01:33		62.5	62.5
62.5	13:01:34		62.5	62.5
62.5	13:01:35		62.5	62.5
62.6	13:01:36		62.6	62.6
62.6	13:01:37		62.6	62.6
62.4	13:01:38		62.4	62.4
62.1	13:01:39		62.1	62.1
61.8	13:01:40		61.8	61.8
61.6	13:01:41		61.6	61.6
61.5	13:01:42		61.5	61.5
61.3	13:01:43		61.3	61.3
61.4	13:01:44		61.4	61.4
61.6	13:01:45		61.6	61.6
61.9	13:01:46		61.9	61.9
62.0	13:01:47		62.0	62.0
62.1	13:01:48		62.1	62.1
62.2	13:01:49		62.2	62.2
62.4	13:01:50		62.4	62.4
62.4	13:01:51		62.4	62.4
62.3	13:01:52		62.3	62.3
62.2	13:01:53		62.2	62.2
62.2	13:01:54		62.2	62.2
62.1	13:01:55		62.1	62.1
62.1	13:01:56		62.1	62.1
62.2	13:01:57		62.2	62.2
62.1	13:01:58		62.1	62.1
62.0	13:01:59		62.0	62.0
62.1	13:02:00		62.1	62.1
61.9	13:02:01		61.9	61.9
61.6	13:02:02		61.6	61.6
61.3	13:02:03		61.3	61.3
61.0	13:02:04		61.0	61.0
60.8	13:02:05		60.8	60.8
61.0	13:02:06		61.0	61.0
61.0	13:02:07		61.0	61.0
61.1	13:02:08		61.1	61.1
61.3	13:02:09		61.3	61.3
61.2	13:02:10		61.2	61.2
61.1	13:02:11		61.1	61.1
61.0	13:02:12		61.0	61.0
60.6	13:02:13		60.6	60.6
60.4	13:02:14		60.4	60.4
60.4	13:02:15		60.4	60.4
60.5	13:02:16		60.5	60.5
60.5	13:02:17		60.5	60.5
60.6	13:02:18		60.6	60.6
60.6	13:02:19		60.6	60.6
60.7	13:02:20		60.7	60.7
60.7	13:02:21		60.7	60.7
60.4	13:02:22		60.4	60.4
60.1	13:02:23		60.1	60.1
60.1	13:02:24		60.1	60.1
59.8	13:02:25		59.8	59.8
59.8	13:02:26		59.8	59.8
60.0	13:02:27		60.0	60.0
60.1	13:02:28		60.1	60.1
60.4	13:02:29		60.4	60.4
60.5	13:02:30		60.5	60.5
60.5	13:02:31		60.5	60.5
60.4	13:02:32		60.4	60.4
60.4	13:02:33		60.4	60.4
60.4	13:02:34		60.4	60.4
60.5	13:02:35		60.5	60.5
60.7	13:02:36		60.7	60.7
60.6	13:02:37		60.6	60.6
60.7	13:02:38		60.7	60.7
60.6	13:02:39		60.6	60.6
60.9	13:02:40		60.9	60.9
61.0	13:02:41		61.0	61.0
61.5	13:02:42		61.5	61.5
61.9	13:02:43		61.9	61.9
62.4	13:02:44		62.4	62.4
62.4	13:02:45		62.4	62.4
62.6	13:02:46		62.6	62.6
62.6	13:02:47		62.6	62.6
63.0	13:02:48		63.0	63.0
63.0	13:02:49		63.0	63.0
63.2	13:02:50		63.2	63.2
62.9	13:02:51		62.9	62.9
62.8	13:02:52		62.8	62.8
62.9	13:02:53		62.9	62.9
62.3	13:02:54		62.3	62.3
62.0	13:02:55		62.0	62.0
61.7	13:02:56		61.7	61.7
61.7	13:02:57		61.7	61.7
61.4	13:02:58		61.4	61.4
61.4	13:02:59		61.4	61.4
61.6	13:03:00		61.6	61.6
61.9	13:03:01		61.9	61.9
62.0	13:03:02		62.0	62.0
61.9	13:03:03		61.9	61.9
61.6	13:03:04		61.6	61.6
61.4	13:03:05		61.4	61.4
61.4	13:03:06		61.4	61.4
61.6	13:03:07		61.6	61.6
61.8	13:03:08		61.8	61.8
61.4	13:03:09		61.4	61.4
61.4	13:03:10		61.4	61.4
61.3	13:03:11		61.3	61.3
61.1	13:03:12		61.1	61.1

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.0	12:45:03		64.0	64.0
63.5	12:45:04		63.5	63.5
63.5	12:45:05		63.5	63.5
63.8	12:45:06		63.8	63.8
63.9	12:45:07		63.9	63.9
63.8	12:45:08		63.8	63.8
63.4	12:45:09		63.4	63.4
63.3	12:45:10		63.3	63.3
63.1	12:45:11		63.1	63.1
62.9	12:45:12		62.9	62.9
62.8	12:45:13		62.8	62.8
62.6	12:45:14		62.6	62.6
62.8	12:45:15		62.8	62.8
62.9	12:45:16		62.9	62.9
62.9	12:45:17		62.9	62.9
62.3	12:45:18		62.3	62.3
61.6	12:45:19		61.6	61.6
61.2	12:45:20		61.2	61.2
60.8	12:45:21		60.8	60.8
61.0	12:45:22		61.0	61.0
61.5	12:45:23		61.5	61.5
61.7	12:45:24		61.7	61.7
61.3	12:45:25		61.3	61.3
60.4	12:45:26		60.4	60.4
59.0	12:45:27		59.0	59.0
58.1	12:45:28		58.1	58.1
57.5	12:45:29		57.5	57.5
56.8	12:45:30		56.8	56.8
56.0	12:45:31		56.0	56.0
55.6	12:45:32		55.6	55.6
55.5	12:45:33		55.5	55.5
56.3	12:45:34		56.3	56.3
57.0	12:45:35		57.0	57.0
56.8	12:45:36		56.8	56.8
56.3	12:45:37		56.3	56.3
55.8	12:45:38		55.8	55.8
54.9	12:45:39		54.9	54.9
54.6	12:45:40		54.6	54.6
54.2	12:45:41		54.2	54.2
57.3	12:45:42		57.3	57.3
57.1	12:45:43		57.1	57.1
55.9	12:45:44		55.9	55.9
55.4	12:45:45		55.4	55.4
56.5	12:45:46		56.5	56.5
57.3	12:45:47		57.3	57.3
58.5	12:45:48		58.5	58.5
59.7	12:45:49		59.7	59.7
61.3	12:45:50		61.3	61.3
62.1	12:45:51		62.1	62.1
62.4	12:45:52		62.4	62.4
61.8	12:45:53		61.8	61.8
60.8	12:45:54		60.8	60.8
59.6	12:45:55		59.6	59.6
58.2	12:45:56		58.2	58.2
56.8	12:45:57		56.8	56.8
54.9	12:45:58		54.9	54.9
54.4	12:45:59		54.4	54.4
56.0	12:46:00		56.0	56.0
55.3	12:46:01		55.3	55.3
55.2	12:46:02		55.2	55.2
55.6	12:46:03		55.6	55.6
55.8	12:46:04		55.8	55.8
57.4	12:46:05		57.4	57.4
58.4	12:46:06		58.4	58.4
58.4	12:46:07		58.4	58.4
56.8	12:46:08		56.8	56.8
55.8	12:46:09		55.8	55.8
54.7	12:46:10		54.7	54.7
54.2	12:46:11		54.2	54.2
54.1	12:46:12		54.1	54.1
54.2	12:46:13		54.2	54.2
53.9	12:46:14		53.9	53.9
55.4	12:46:15		55.4	55.4
56.7	12:46:16		56.7	56.7
56.5	12:46:17		56.5	56.5
56.4	12:46:18		56.4	56.4
56.4	12:46:19		56.4	56.4
57.7	12:46:20		57.7	57.7
57.7	12:46:21		57.7	57.7
57.6	12:46:22		57.6	57.6
56.5	12:46:23		56.5	56.5
55.0	12:46:24		55.0	55.0
54.2	12:46:25		54.2	54.2
53.8	12:46:26		53.8	53.8
53.6	12:46:27		53.6	53.6
53.3	12:46:28		53.3	53.3
53.1	12:46:29		53.1	53.1
53.4	12:46:30		53.4	53.4
53.6	12:46:31		53.6	53.6
53.7	12:46:32		53.7	53.7
53.9	12:46:33		53.9	53.9
54.7	12:46:34		54.7	54.7
55.0	12:46:35		55.0	55.0
55.2	12:46:36		55.2	55.2
55.7	12:46:37		55.7	55.7
55.5	12:46:38		55.5	55.5
55.1	12:46:39		55.1	55.1
55.9	12:46:40		55.9	55.9
58.8	12:46:41		58.8	58.8
59.3	12:46:42		59.3	59.3
59.3	12:46:43		59.3	59.3
58.6	12:46:44		58.6	58.6
57.3	12:46:45		57.3	57.3
56.2	12:46:46		56.2	56.2
55.7	12:46:47		55.7	55.7
56.7	12:46:48		56.7	56.7
57.7	12:46:49		57.7	57.7
59.5	12:46:50		59.5	59.5
60.8	12:46:51		60.8	60.8
63.0	12:46:52		63.0	63.0
64.3	12:46:53		64.3	64.3
65.3	12:46:54		65.3	65.3
64.8	12:46:55		64.8	64.8
63.8	12:46:56		63.8	63.8
63.9	12:46:57		63.9	63.9
64.3	12:46:58		64.3	64.3
64.2	12:46:59		64.2	64.2
63.4	12:47:00		63.4	63.4
63.8	12:47:01		63.8	63.8
64.0	12:47:02		64.0	64.0
63.9	12:47:03		63.9	63.9
62.8	12:47:04		62.8	62.8
62.5	12:47:05		62.5	62.5
62.6	12:47:06		62.6	62.6
62.0	12:47:07		62.0	62.0
62.0	12:47:08		62.0	62.0
61.6	12:47:09		61.6	61.6
61.1	12:47:10		61.1	61.1
61.6	12:47:11		61.6	61.6
62.2	12:47:12		62.2	62.2
62.9	12:47:13		62.9	62.9
63.2	12:47:14		63.2	63.2
63.3	12:47:15		63.3	63.3
63.9	12:47:16		63.9	63.9
63.8	12:47:17		63.8	63.8
63.1	12:47:18		63.1	63.1
62.5	12:47:19		62.5	62.5
61.8	12:47:20		61.8	61.8
61.5	12:47:21		61.5	61.5
61.1	12:47:22		61.1	61.1
60.7	12:47:23		60.7	60.7
61.3	12:47:24		61.3	61.3
62.6	12:47:25		62.6	62.6
63.2	12:47:26		63.2	63.2
63.1	12:47:27		63.1	63.1
62.1	12:47:28		62.1	62.1
61.3	12:47:29		61.3	61.3
60.9	12:47:30		60.9	60.9
61.0	12:47:31		61.0	61.0
61.1	12:47:32		61.1	61.1
60.6	12:47:33		60.6	60.6
59.9	12:47:34		59.9	59.9
59.7	12:47:35		59.7	59.7
60.8	12:47:36		60.8	60.8
62.1	12:47:37		62.1	62.1
62.5	12:47:38		62.5	62.5
61.4	12:47:39		61.4	61.4
60.2	12:47:40		60.2	60.2
59.1	12:47:41		59.1	59.1
58.9	12:47:42		58.9	58.9
59.9	12:47:43		59.9	59.9
59.9	12:47:44		59.9	59.9

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
55.6	12:52:47		55.6	55.6
57.4	12:52:48		57.4	57.4
58.2	12:52:49		58.2	58.2
58.2	12:52:50		58.2	58.2
57.5	12:52:51		57.5	57.5
57.1	12:52:52		57.1	57.1
57.8	12:52:53		57.8	57.8
57.5	12:52:54		57.5	57.5
56.9	12:52:55		56.9	56.9
58.9	12:52:56		58.9	58.9
58.4	12:52:57		58.4	58.4
57.2	12:52:58		57.2	57.2
57.6	12:52:59		57.6	57.6
57.6	12:53:00		57.6	57.6
57.2	12:53:01		57.2	57.2
57.3	12:53:02		57.3	57.3
58.2	12:53:03		58.2	58.2
60.4	12:53:04		60.4	60.4
62.9	12:53:05		62.9	62.9
63.4	12:53:06		63.4	63.4
63.6	12:53:07		63.6	63.6
64.1	12:53:08		64.1	64.1
63.2	12:53:09		63.2	63.2
61.6	12:53:10		61.6	61.6
61.2	12:53:11		61.2	61.2
63.1	12:53:12		63.1	63.1
65.0	12:53:13		65.0	65.0
66.4	12:53:14		66.4	66.4
65.2	12:53:15		65.2	65.2
64.4	12:53:16		64.4	64.4
63.1	12:53:17		63.1	63.1
63.3	12:53:18		63.3	63.3
63.9	12:53:19		63.9	63.9
63.5	12:53:20		63.5	63.5
64.1	12:53:21		64.1	64.1
63.6	12:53:22		63.6	63.6
63.9	12:53:23		63.9	63.9
64.1	12:53:24		64.1	64.1
63.2	12:53:25		63.2	63.2
62.4	12:53:26		62.4	62.4
62.6	12:53:27		62.6	62.6
62.4	12:53:28		62.4	62.4
62.9	12:53:29		62.9	62.9
62.3	12:53:30		62.3	62.3
62.1	12:53:31		62.1	62.1
64.9	12:53:32		64.9	64.9
66.1	12:53:33		66.1	66.1
65.5	12:53:34		65.5	65.5
64.4	12:53:35		64.4	64.4
63.8	12:53:36		63.8	63.8
64.0	12:53:37		64.0	64.0
64.5	12:53:38		64.5	64.5
63.9	12:53:39		63.9	63.9
64.8	12:53:40		64.8	64.8
65.4	12:53:41		65.4	65.4
64.3	12:53:42		64.3	64.3
63.3	12:53:43		63.3	63.3
63.7	12:53:44		63.7	63.7
63.3	12:53:45		63.3	63.3
62.4	12:53:46		62.4	62.4
62.2	12:53:47		62.2	62.2
61.9	12:53:48		61.9	61.9
61.1	12:53:49		61.1	61.1
60.8	12:53:50		60.8	60.8
60.3	12:53:51		60.3	60.3
58.5	12:53:52		58.5	58.5
58.8	12:53:53		58.8	58.8
59.4	12:53:54		59.4	59.4
60.9	12:53:55		60.9	60.9
59.6	12:53:56		59.6	59.6
58.9	12:53:57		58.9	58.9
58.4	12:53:58		58.4	58.4
57.5	12:53:59		57.5	57.5
57.9	12:54:00		57.9	57.9
59.6	12:54:01		59.6	59.6
59.2	12:54:02		59.2	59.2
58.6	12:54:03		58.6	58.6
57.4	12:54:04		57.4	57.4
57.0	12:54:05		57.0	57.0
58.9	12:54:06		58.9	58.9
57.7	12:54:07		57.7	57.7
55.4	12:54:08		55.4	55.4
53.8	12:54:09		53.8	53.8
52.5	12:54:10		52.5	52.5
51.9	12:54:11		51.9	51.9
52.4	12:54:12		52.4	52.4
54.2	12:54:13		54.2	54.2
56.0	12:54:14		56.0	56.0
57.4	12:54:15		57.4	57.4
57.0	12:54:16		57.0	57.0
57.4	12:54:17		57.4	57.4
58.0	12:54:18		58.0	58.0
56.8	12:54:19		56.8	56.8
55.6	12:54:20		55.6	55.6
55.1	12:54:21		55.1	55.1
54.0	12:54:22		54.0	54.0
53.2	12:54:23		53.2	53.2
52.6	12:54:24		52.6	52.6
53.5	12:54:25		53.5	53.5
54.2	12:54:26		54.2	54.2
56.0	12:54:27		56.0	56.0
55.5	12:54:28		55.5	55.5
54.1	12:54:29		54.1	54.1
52.9	12:54:30		52.9	52.9
53.1	12:54:31		53.1	53.1
54.6	12:54:32		54.6	54.6
57.0	12:54:33		57.0	57.0
56.8	12:54:34		56.8	56.8
54.8	12:54:35		54.8	54.8
53.6	12:54:36		53.6	53.6
52.9	12:54:37		52.9	52.9
53.2	12:54:38		53.2	53.2
54.3	12:54:39		54.3	54.3
54.8	12:54:40		54.8	54.8
56.6	12:54:41		56.6	56.6
58.1	12:54:42		58.1	58.1
57.9	12:54:43		57.9	57.9
57.4	12:54:44		57.4	57.4
57.3	12:54:45		57.3	57.3
56.1	12:54:46		56.1	56.1
54.3	12:54:47		54.3	54.3
52.9	12:54:48		52.9	52.9
52.1	12:54:49		52.1	52.1
51.8	12:54:50		51.8	51.8
51.9	12:54:51		51.9	51.9
52.4	12:54:52		52.4	52.4
53.2	12:54:53		53.2	53.2
53.3	12:54:54		53.3	53.3
54.1	12:54:55		54.1	54.1
56.3	12:54:56		56.3	56.3
59.0	12:54:57		59.0	59.0
59.8	12:54:58		59.8	59.8
57.7	12:54:59		57.7	57.7
57.0	12:55:00		57.0	57.0
56.6	12:55:01		56.6	56.6
56.2	12:55:02		56.2	56.2
55.5	12:55:03		55.5	55.5
54.6	12:55:04		54.6	54.6
54.0	12:55:05		54.0	54.0
53.6	12:55:06		53.6	53.6
53.7	12:55:07		53.7	53.7
56.4	12:55:08		56.4	56.4
58.2	12:55:09		58.2	58.2
59.5	12:55:10		59.5	59.5
60.5	12:55:11		60.5	60.5
60.6	12:55:12		60.6	60.6
60.1	12:55:13		60.1	60.1
60.8	12:55:14		60.8	60.8
62.1	12:55:15		62.1	62.1
61.7	12:55:16		61.7	61.7
60.5	12:55:17		60.5	60.5
61.2	12:55:18		61.2	61.2
64.1	12:55:19		64.1	64.1
64.0	12:55:20		64.0	64.0
62.6	12:55:21		62.6	62.6
64.1	12:55:22		64.1	64.1
64.5	12:55:23		64.5	64.5
63.7	12:55:24		63.7	63.7
62.9	12:55:25		62.9	62.9
62.7	12:55:26		62.7	62.7
61.5	12:55:27		61.5	61.5
60.7	12:55:28		60.7	60.7

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.0	13:03:13		61.0	61.0
60.8	13:03:14		60.8	60.8
60.7	13:03:15		60.7	60.7
60.7	13:03:16		60.7	60.7
60.5	13:03:17		60.5	60.5
60.3	13:03:18		60.3	60.3
60.4	13:03:19		60.4	60.4
60.2	13:03:20		60.2	60.2
60.0	13:03:21		60.0	60.0
60.2	13:03:22		60.2	60.2
60.5	13:03:23		60.5	60.5
60.6	13:03:24		60.6	60.6
60.6	13:03:25		60.6	60.6
60.7	13:03:26		60.7	60.7
60.9	13:03:27		60.9	60.9
61.0	13:03:28		61.0	61.0
60.8	13:03:29		60.8	60.8
61.0	13:03:30		61.0	61.0
61.1	13:03:31		61.1	61.1
61.2	13:03:32		61.2	61.2
61.3	13:03:33		61.3	61.3
61.5	13:03:34		61.5	61.5
61.6	13:03:35		61.6	61.6
61.4	13:03:36		61.4	61.4
61.1	13:03:37		61.1	61.1
61.3	13:03:38		61.3	61.3
61.3	13:03:39		61.3	61.3
61.1	13:03:40		61.1	61.1
61.0	13:03:41		61.0	61.0
60.8	13:03:42		60.8	60.8
60.6	13:03:43		60.6	60.6
60.6	13:03:44		60.6	60.6
61.0	13:03:45		61.0	61.0
61.6	13:03:46		61.6	61.6
61.6	13:03:47		61.6	61.6
61.3	13:03:48		61.3	61.3
61.0	13:03:49		61.0	61.0
61.0	13:03:50		61.0	61.0
60.8	13:03:51		60.8	60.8
60.6	13:03:52		60.6	60.6
60.6	13:03:53		60.6	60.6
60.4	13:03:54		60.4	60.4
60.3	13:03:55		60.3	60.3
60.1	13:03:56		60.1	60.1
59.9	13:03:57		59.9	59.9
60.0	13:03:58		60.0	60.0
60.4	13:03:59		60.4	60.4
60.9	13:04:00		60.9	60.9
61.2	13:04:01		61.2	61.2
61.5	13:04:02		61.5	61.5
61.5	13:04:03		61.5	61.5
61.4	13:04:04		61.4	61.4
61.2	13:04:05		61.2	61.2
60.9	13:04:06		60.9	60.9
60.7	13:04:07		60.7	60.7
60.5	13:04:08		60.5	60.5
60.4	13:04:09		60.4	60.4
60.6	13:04:10		60.6	60.6
61.3	13:04:11		61.3	61.3
63.2	13:04:12		63.2	63.2
63.2	13:04:13		63.2	63.2
62.3	13:04:14		62.3	62.3
61.3	13:04:15		61.3	61.3
60.8	13:04:16		60.8	60.8
60.2	13:04:17		60.2	60.2
60.1	13:04:18		60.1	60.1
60.0	13:04:19		60.0	60.0
60.0	13:04:20		60.0	60.0
60.3	13:04:21		60.3	60.3
60.5	13:04:22		60.5	60.5
60.6	13:04:23		60.6	60.6
60.4	13:04:24		60.4	60.4
60.4	13:04:25		60.4	60.4
60.5	13:04:26		60.5	60.5
60.5	13:04:27		60.5	60.5
60.5	13:04:28		60.5	60.5
60.4	13:04:29		60.4	60.4
60.5	13:04:30		60.5	60.5
60.8	13:04:31		60.8	60.8
60.9	13:04:32		60.9	60.9
61.0	13:04:33		61.0	61.0
61.2	13:04:34		61.2	61.2
61.4	13:04:35		61.4	61.4
61.5	13:04:36		61.5	61.5
61.6	13:04:37		61.6	61.6
61.7	13:04:38		61.7	61.7
61.6	13:04:39		61.6	61.6
61.8	13:04:40		61.8	61.8
61.8	13:04:41		61.8	61.8
61.7	13:04:42		61.7	61.7
61.8	13:04:43		61.8	61.8
61.9	13:04:44		61.9	61.9
62.0	13:04:45		62.0	62.0
62.0	13:04:46		62.0	62.0
62.2	13:04:47		62.2	62.2
62.4	13:04:48		62.4	62.4
62.7	13:04:49		62.7	62.7
62.9	13:04:50		62.9	62.9
62.9	13:04:51		62.9	62.9
63.0	13:04:52		63.0	63.0
62.9	13:04:53		62.9	62.9
62.8	13:04:54		62.8	62.8
62.7	13:04:55		62.7	62.7
62.7	13:04:56		62.7	62.7
62.8	13:04:57		62.8	62.8
62.7	13:04:58		62.7	62.7
62.7	13:04:59		62.7	62.7
62.7	13:05:00		62.7	62.7
62.7	13:05:01		62.7	62.7
62.8	13:05:02		62.8	62.8
62.8	13:05:03		62.8	62.8
62.7	13:05:04		62.7	62.7
62.6	13:05:05		62.6	62.6
62.7	13:05:06		62.7	62.7
62.4	13:05:07		62.4	62.4
62.3	13:05:08		62.3	62.3
62.3	13:05:09		62.3	62.3
62.4	13:05:10		62.4	62.4
62.3	13:05:11		62.3	62.3
62.1	13:05:12		62.1	62.1
62.0	13:05:13		62.0	62.0
61.7	13:05:14		61.7	61.7
61.4	13:05:15		61.4	61.4
61.0	13:05:16		61.0	61.0
61.0	13:05:17		61.0	61.0
61.2	13:05:18		61.2	61.2
61.2	13:05:19		61.2	61.2
61.1	13:05:20		61.1	61.1
61.0	13:05:21		61.0	61.0
60.8	13:05:22		60.8	60.8
60.9	13:05:23		60.9	60.9
60.6	13:05:24		60.6	60.6
60.3	13:05:25		60.3	60.3
60.0	13:05:26		60.0	60.0
59.9	13:05:27		59.9	59.9
59.9	13:05:28		59.9	59.9
59.9	13:05:29		59.9	59.9
59.7	13:05:30		59.7	59.7
59.6	13:05:31		59.6	59.6
59.9	13:05:32		59.9	59.9
60.1	13:05:33		60.1	60.1
60.7	13:05:34		60.7	60.7
60.8	13:05:35		60.8	60.8
60.9	13:05:36		60.9	60.9
61.2	13:05:37		61.2	61.2
61.5	13:05:38		61.5	61.5
61.7	13:05:39		61.7	61.7
62.0	13:05:40		62.0	62.0
62.3	13:05:41		62.3	62.3
62.0	13:05:42		62.0	62.0
62.2	13:05:43		62.2	62.2
62.5	13:05:44		62.5	62.5
63.2	13:05:45		63.2	63.2
62.9	13:05:46		62.9	62.9
62.3	13:05:47		62.3	62.3
62.2	13:05:48		62.2	62.2
61.9	13:05:49		61.9	61.9
61.6	13:05:50		61.6	61.6
61.6	13:05:51		61.6	61.6
61.6	13:05:52		61.6	61.6
61.7	13:05:53		61.7	61.7
61.7	13:05:54		61.7	61.7

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
59.3	12:47:45		59.3	59.3
58.6	12:47:46		58.6	58.6
58.6	12:47:47		58.6	58.6
59.7	12:47:48		59.7	59.7
59.4	12:47:49		59.4	59.4
59.4	12:47:50		59.4	59.4
59.9	12:47:51		59.9	59.9
59.4	12:47:52		59.4	59.4
58.2	12:47:53		58.2	58.2
57.0	12:47:54		57.0	57.0
56.5	12:47:55		56.5	56.5
56.0	12:47:56		56.0	56.0
55.3	12:47:57		55.3	55.3
54.8	12:47:58		54.8	54.8
55.3	12:47:59		55.3	55.3
57.1	12:48:00		57.1	57.1
57.1	12:48:01		57.1	57.1
57.1	12:48:02		57.1	57.1
58.5	12:48:03		58.5	58.5
58.8	12:48:04		58.8	58.8
58.0	12:48:05		58.0	58.0
56.8	12:48:06		56.8	56.8
56.2	12:48:07		56.2	56.2
55.9	12:48:08		55.9	55.9
55.5	12:48:09		55.5	55.5
54.8	12:48:10		54.8	54.8
54.5	12:48:11		54.5	54.5
56.4	12:48:12		56.4	56.4
57.6	12:48:13		57.6	57.6
58.3	12:48:14		58.3	58.3
57.9	12:48:15		57.9	57.9
56.8	12:48:16		56.8	56.8
56.0	12:48:17		56.0	56.0
56.9	12:48:18		56.9	56.9
56.5	12:48:19		56.5	56.5
57.1	12:48:20		57.1	57.1
58.5	12:48:21		58.5	58.5
58.7	12:48:22		58.7	58.7
59.3	12:48:23		59.3	59.3
58.2	12:48:24		58.2	58.2
57.5	12:48:25		57.5	57.5
58.1	12:48:26		58.1	58.1
57.6	12:48:27		57.6	57.6
57.4	12:48:28		57.4	57.4
57.3	12:48:29		57.3	57.3
56.9	12:48:30		56.9	56.9
56.2	12:48:31		56.2	56.2
55.8	12:48:32		55.8	55.8
54.9	12:48:33		54.9	54.9
54.5	12:48:34		54.5	54.5
54.1	12:48:35		54.1	54.1
54.0	12:48:36		54.0	54.0
53.6	12:48:37		53.6	53.6
53.4	12:48:38		53.4	53.4
53.2	12:48:39		53.2	53.2
53.2	12:48:40		53.2	53.2
53.1	12:48:41		53.1	53.1
53.1	12:48:42		53.1	53.1
53.0	12:48:43		53.0	53.0
52.9	12:48:44		52.9	52.9
53.0	12:48:45		53.0	53.0
53.7	12:48:46		53.7	53.7
54.4	12:48:47		54.4	54.4
54.8	12:48:48		54.8	54.8
57.4	12:48:49		57.4	57.4
62.6	12:48:50		62.6	62.6
63.9	12:48:51		63.9	63.9
63.3	12:48:52		63.3	63.3
62.5	12:48:53		62.5	62.5
62.6	12:48:54		62.6	62.6
62.0	12:48:55		62.0	62.0
60.7	12:48:56		60.7	60.7
58.9	12:48:57		58.9	58.9
57.6	12:48:58		57.6	57.6
58.0	12:48:59		58.0	58.0
57.6	12:49:00		57.6	57.6
56.9	12:49:01		56.9	56.9
58.6	12:49:02		58.6	58.6
61.4	12:49:03		61.4	61.4
61.5	12:49:04		61.5	61.5
62.1	12:49:05		62.1	62.1
64.6	12:49:06		64.6	64.6
65.0	12:49:07		65.0	65.0
65.1	12:49:08		65.1	65.1
65.0	12:49:09		65.0	65.0
64.2	12:49:10		64.2	64.2
63.7	12:49:11		63.7	63.7
63.8	12:49:12		63.8	63.8
64.3	12:49:13		64.3	64.3
63.6	12:49:14		63.6	63.6
63.8	12:49:15		63.8	63.8
64.3	12:49:16		64.3	64.3
64.7	12:49:17		64.7	64.7
65.2	12:49:18		65.2	65.2
64.9	12:49:19		64.9	64.9
64.4	12:49:20		64.4	64.4
63.9	12:49:21		63.9	63.9
64.5	12:49:22		64.5	64.5
65.3	12:49:23		65.3	65.3
65.0	12:49:24		65.0	65.0
65.6	12:49:25		65.6	65.6
66.0	12:49:26		66.0	66.0
65.1	12:49:27		65.1	65.1
65.3	12:49:28		65.3	65.3
64.4	12:49:29		64.4	64.4
64.0	12:49:30		64.0	64.0
65.2	12:49:31		65.2	65.2
66.4	12:49:32		66.4	66.4
68.7	12:49:33		68.7	68.7
68.2	12:49:34		68.2	68.2
66.4	12:49:35		66.4	66.4
64.9	12:49:36		64.9	64.9
64.8	12:49:37		64.8	64.8
64.8	12:49:38		64.8	64.8
65.5	12:49:39		65.5	65.5
65.2	12:49:40		65.2	65.2
64.6	12:49:41		64.6	64.6
64.3	12:49:42		64.3	64.3
64.5	12:49:43		64.5	64.5
64.4	12:49:44		64.4	64.4
64.6	12:49:45		64.6	64.6
64.8	12:49:46		64.8	64.8
64.3	12:49:47		64.3	64.3
63.8	12:49:48		63.8	63.8
63.1	12:49:49		63.1	63.1
62.0	12:49:50		62.0	62.0
61.2	12:49:51		61.2	61.2
60.4	12:49:52		60.4	60.4
59.4	12:49:53		59.4	59.4
58.1	12:49:54		58.1	58.1
56.8	12:49:55		56.8	56.8
55.8	12:49:56		55.8	55.8
54.6	12:49:57		54.6	54.6
53.7	12:49:58		53.7	53.7
53.4	12:49:59		53.4	53.4
53.1	12:50:00		53.1	53.1
53.0	12:50:01		53.0	53.0
53.3	12:50:02		53.3	53.3
53.2	12:50:03		53.2	53.2
54.2	12:50:04		54.2	54.2
57.4	12:50:05		57.4	57.4
57.0	12:50:06		57.0	57.0
56.6	12:50:07		56.6	56.6
55.1	12:50:08		55.1	55.1
54.4	12:50:09		54.4	54.4
54.1	12:50:10		54.1	54.1
58.2	12:50:11		58.2	58.2
61.2	12:50:12		61.2	61.2
59.9	12:50:13		59.9	59.9
57.7	12:50:14		57.7	57.7
55.9	12:50:15		55.9	55.9
55.7	12:50:16		55.7	55.7
55.0	12:50:17		55.0	55.0
54.7	12:50:18		54.7	54.7
58.3	12:50:19		58.3	58.3
59.1	12:50:20		59.1	59.1
57.8	12:50:21		57.8	57.8
55.9	12:50:22		55.9	55.9
54.9	12:50:23		54.9	54.9
54.9	12:50:24		54.9	54.9
54.4	12:50:25		54.4	54.4
54.9	12:50:26		54.9	54.9

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.5	12:55:29		61.5	61.5
66.3	12:55:30		66.3	66.3
68.3	12:55:31		68.3	68.3
66.6	12:55:32		66.6	66.6
64.5	12:55:33		64.5	64.5
62.9	12:55:34		62.9	62.9
61.9	12:55:35		61.9	61.9
61.5	12:55:36		61.5	61.5
61.9	12:55:37		61.9	61.9
62.1	12:55:38		62.1	62.1
61.8	12:55:39		61.8	61.8
62.0	12:55:40		62.0	62.0
61.9	12:55:41		61.9	61.9
62.6	12:55:42		62.6	62.6
64.0	12:55:43		64.0	64.0
66.1	12:55:44		66.1	66.1
66.2	12:55:45		66.2	66.2
64.5	12:55:46		64.5	64.5
62.4	12:55:47		62.4	62.4
60.6	12:55:48		60.6	60.6
59.6	12:55:49		59.6	59.6
59.3	12:55:50		59.3	59.3
59.0	12:55:51		59.0	59.0
58.9	12:55:52		58.9	58.9
58.6	12:55:53		58.6	58.6
58.5	12:55:54		58.5	58.5
59.7	12:55:55		59.7	59.7
60.2	12:55:56		60.2	60.2
59.2	12:55:57		59.2	59.2
58.9	12:55:58		58.9	58.9
59.8	12:55:59		59.8	59.8
61.2	12:56:00		61.2	61.2
61.1	12:56:01		61.1	61.1
59.9	12:56:02		59.9	59.9
58.8	12:56:03		58.8	58.8
61.4	12:56:04		61.4	61.4
61.9	12:56:05		61.9	61.9
61.2	12:56:06		61.2	61.2
60.3	12:56:07		60.3	60.3
59.9	12:56:08		59.9	59.9
60.2	12:56:09		60.2	60.2
58.4	12:56:10		58.4	58.4
58.9	12:56:11		58.9	58.9
58.7	12:56:12		58.7	58.7
57.2	12:56:13		57.2	57.2
56.5	12:56:14		56.5	56.5
57.6	12:56:15		57.6	57.6
58.9	12:56:16		58.9	58.9
58.4	12:56:17		58.4	58.4
56.5	12:56:18		56.5	56.5
55.9	12:56:19		55.9	55.9
57.2	12:56:20		57.2	57.2
57.8	12:56:21		57.8	57.8
57.7	12:56:22		57.7	57.7
57.3	12:56:23		57.3	57.3
57.7	12:56:24		57.7	57.7
56.8	12:56:25		56.8	56.8
55.2	12:56:26		55.2	55.2
54.3	12:56:27		54.3	54.3
54.1	12:56:28		54.1	54.1
52.9	12:56:29		52.9	52.9
51.8	12:56:30		51.8	51.8
51.3	12:56:31		51.3	51.3
51.9	12:56:32		51.9	51.9
52.6	12:56:33		52.6	52.6
52.6	12:56:34		52.6	52.6
53.1	12:56:35		53.1	53.1
54.2	12:56:36		54.2	54.2
53.5	12:56:37		53.5	53.5
53.7	12:56:38		53.7	53.7
53.8	12:56:39		53.8	53.8
53.8	12:56:40		53.8	53.8
53.2	12:56:41		53.2	53.2
54.2	12:56:42		54.2	54.2
58.9	12:56:43		58.9	58.9
60.5	12:56:44		60.5	60.5
59.7	12:56:45		59.7	59.7
57.8	12:56:46		57.8	57.8
56.2	12:56:47		56.2	56.2
56.8	12:56:48		56.8	56.8
56.5	12:56:49		56.5	56.5
54.2	12:56:50		54.2	54.2
52.2	12:56:51		52.2	52.2
52.1	12:56:52		52.1	52.1
52.9	12:56:53		52.9	52.9
52.0	12:56:54		52.0	52.0
52.6	12:56:55		52.6	52.6
52.8	12:56:56		52.8	52.8
52.5	12:56:57		52.5	52.5
52.4	12:56:58		52.4	52.4
53.2	12:56:59		53.2	53.2
53.8	12:57:00		53.8	53.8
54.8	12:57:01		54.8	54.8
54.5	12:57:02		54.5	54.5
53.8	12:57:03		53.8	53.8
54.8	12:57:04		54.8	54.8
54.3	12:57:05		54.3	54.3
53.0	12:57:06		53.0	53.0
51.9	12:57:07		51.9	51.9
51.4	12:57:08		51.4	51.4
51.1	12:57:09		51.1	51.1
50.9	12:57:10		50.9	50.9
50.9	12:57:11		50.9	50.9
53.9	12:57:12		53.9	53.9
57.4	12:57:13		57.4	57.4
56.9	12:57:14		56.9	56.9
55.8	12:57:15		55.8	55.8
56.0	12:57:16		56.0	56.0
55.0	12:57:17		55.0	55.0
54.0	12:57:18		54.0	54.0
52.4	12:57:19		52.4	52.4
51.4	12:57:20		51.4	51.4
53.4	12:57:21		53.4	53.4
57.8	12:57:22		57.8	57.8
57.9	12:57:23		57.9	57.9
56.1	12:57:24		56.1	56.1
57.8	12:57:25		57.8	57.8
61.5	12:57:26		61.5	61.5
61.4	12:57:27		61.4	61.4
60.9	12:57:28		60.9	60.9
61.6	12:57:29		61.6	61.6
62.5	12:57:30		62.5	62.5
61.9	12:57:31		61.9	61.9
63.2	12:57:32		63.2	63.2
63.1	12:57:33		63.1	63.1
62.1	12:57:34		62.1	62.1
62.1	12:57:35		62.1	62.1
62.0	12:57:36		62.0	62.0
61.4	12:57:37		61.4	61.4
63.4	12:57:38		63.4	63.4
62.7	12:57:39		62.7	62.7
61.0	12:57:40		61.0	61.0
59.9	12:57:41		59.9	59.9
59.5	12:57:42		59.5	59.5
59.9	12:57:43		59.9	59.9
60.0	12:57:44		60.0	60.0
61.0	12:57:45		61.0	61.0
60.6	12:57:46		60.6	60.6
60.0	12:57:47		60.0	60.0
59.8	12:57:48		59.8	59.8
59.1	12:57:49		59.1	59.1
59.2	12:57:50		59.2	59.2
60.0	12:57:51		60.0	60.0
61.0	12:57:52		61.0	61.0
60.9	12:57:53		60.9	60.9
62.5	12:57:54		62.5	62.5
64.1	12:57:55		64.1	64.1
64.1	12:57:56		64.1	64.1
64.1	12:57:57		64.1	64.1
64.0	12:57:58		64.0	64.0
62.8	12:57:59		62.8	62.8
62.2	12:58:00		62.2	62.2
62.9	12:58:01		62.9	62.9
62.8	12:58:02		62.8	62.8
62.9	12:58:03		62.9	62.9
63.3	12:58:04		63.3	63.3
63.0	12:58:05		63.0	63.0
63.1	12:58:06		63.1	63.1
63.2	12:58:07		63.2	63.2
64.3	12:58:08		64.3	64.3
65.0	12:58:09		65.0	65.0
64.5	12:58:10		64.5	64.5

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.7	13:05:55		61.7	61.7
61.7	13:05:56		61.7	61.7
61.7	13:05:57		61.7	61.7
61.5	13:05:58		61.5	61.5
61.4	13:05:59		61.4	61.4
61.3	13:06:00		61.3	61.3
61.2	13:06:01		61.2	61.2
61.3	13:06:02		61.3	61.3
61.3	13:06:03		61.3	61.3
61.4	13:06:04		61.4	61.4
61.4	13:06:05		61.4	61.4
61.4	13:06:06		61.4	61.4
61.3	13:06:07		61.3	61.3
61.0	13:06:08		61.0	61.0
60.9	13:06:09		60.9	60.9
61.1	13:06:10		61.1	61.1
61.2	13:06:11		61.2	61.2
61.6	13:06:12		61.6	61.6
61.7	13:06:13		61.7	61.7
61.6	13:06:14		61.6	61.6
61.6	13:06:15		61.6	61.6
61.7	13:06:16		61.7	61.7
61.7	13:06:17		61.7	61.7
61.7	13:06:18		61.7	61.7
61.5	13:06:19		61.5	61.5
61.4	13:06:20		61.4	61.4
61.5	13:06:21		61.5	61.5
62.0	13:06:22		62.0	62.0
62.0	13:06:23		62.0	62.0
62.1	13:06:24		62.1	62.1
62.2	13:06:25		62.2	62.2
62.2	13:06:26		62.2	62.2
62.0	13:06:27		62.0	62.0
62.0	13:06:28		62.0	62.0
62.2	13:06:29		62.2	62.2
62.2	13:06:30		62.2	62.2
62.2	13:06:31		62.2	62.2
62.1	13:06:32		62.1	62.1
62.2	13:06:33		62.2	62.2
62.1	13:06:34		62.1	62.1
61.9	13:06:35		61.9	61.9
61.7	13:06:36		61.7	61.7
61.6	13:06:37		61.6	61.6
61.5	13:06:38		61.5	61.5
61.4	13:06:39		61.4	61.4
61.3	13:06:40		61.3	61.3
61.2	13:06:41		61.2	61.2
61.0	13:06:42		61.0	61.0
61.0	13:06:43		61.0	61.0
60.7	13:06:44		60.7	60.7
60.6	13:06:45		60.6	60.6
60.9	13:06:46		60.9	60.9
61.1	13:06:47		61.1	61.1
61.3	13:06:48		61.3	61.3
61.6	13:06:49		61.6	61.6
61.8	13:06:50		61.8	61.8
61.9	13:06:51		61.9	61.9
61.8	13:06:52		61.8	61.8
61.6	13:06:53		61.6	61.6
61.4	13:06:54		61.4	61.4
61.7	13:06:55		61.7	61.7
61.7	13:06:56		61.7	61.7
61.5	13:06:57		61.5	61.5
61.4	13:06:58		61.4	61.4
61.4	13:06:59		61.4	61.4
61.3	13:07:00		61.3	61.3
61.4	13:07:01		61.4	61.4
61.8	13:07:02		61.8	61.8
61.7	13:07:03		61.7	61.7
61.6	13:07:04		61.6	61.6
61.2	13:07:05		61.2	61.2
61.2	13:07:06		61.2	61.2
60.8	13:07:07		60.8	60.8
60.7	13:07:08		60.7	60.7
60.7	13:07:09		60.7	60.7
60.7	13:07:10		60.7	60.7
60.9	13:07:11		60.9	60.9
61.6	13:07:12		61.6	61.6
61.5	13:07:13		61.5	61.5
61.6	13:07:14		61.6	61.6
61.9	13:07:15		61.9	61.9
61.9	13:07:16		61.9	61.9
62.1	13:07:17		62.1	62.1
62.2	13:07:18		62.2	62.2
62.0	13:07:19		62.0	62.0
61.6	13:07:20		61.6	61.6
61.7	13:07:21		61.7	61.7
61.6	13:07:22		61.6	61.6
61.6	13:07:23		61.6	61.6
61.5	13:07:24		61.5	61.5
61.6	13:07:25		61.6	61.6
61.8	13:07:26		61.8	61.8
61.9	13:07:27		61.9	61.9
62.1	13:07:28		62.1	62.1
62.1	13:07:29		62.1	62.1
61.8	13:07:30		61.8	61.8
61.4	13:07:31		61.4	61.4
61.2	13:07:32		61.2	61.2
61.2	13:07:33		61.2	61.2
61.4	13:07:34		61.4	61.4
61.6	13:07:35		61.6	61.6
61.6	13:07:36		61.6	61.6
61.5	13:07:37		61.5	61.5
61.6	13:07:38		61.6	61.6
61.7	13:07:39		61.7	61.7
61.8	13:07:40		61.8	61.8
61.7	13:07:41		61.7	61.7
61.8	13:07:42		61.8	61.8
62.0	13:07:43		62.0	62.0
62.6	13:07:44		62.6	62.6
62.6	13:07:45		62.6	62.6
62.5	13:07:46		62.5	62.5
62.3	13:07:47		62.3	62.3
62.2	13:07:48		62.2	62.2
62.2	13:07:49		62.2	62.2
61.9	13:07:50		61.9	61.9
61.9	13:07:51		61.9	61.9
62.4	13:07:52		62.4	62.4
62.4	13:07:53		62.4	62.4
62.4	13:07:54		62.4	62.4
62.6	13:07:55		62.6	62.6
62.6	13:07:56		62.6	62.6
62.8	13:07:57		62.8	62.8
62.7	13:07:58		62.7	62.7
62.4	13:07:59		62.4	62.4
62.2	13:08:00		62.2	62.2
62.1	13:08:01		62.1	62.1
61.9	13:08:02		61.9	61.9
61.7	13:08:03		61.7	61.7
61.6	13:08:04		61.6	61.6
61.3	13:08:05		61.3	61.3
61.2	13:08:06		61.2	61.2
61.4	13:08:07		61.4	61.4
61.6	13:08:08		61.6	61.6
61.4	13:08:09		61.4	61.4
62.0	13:08:10		62.0	62.0
61.9	13:08:11		61.9	61.9
61.4	13:08:12		61.4	61.4
61.1	13:08:13		61.1	61.1
60.9	13:08:14		60.9	60.9
60.8	13:08:15		60.8	60.8
61.1	13:08:16		61.1	61.1
61.1	13:08:17		61.1	61.1
61.3	13:08:18		61.3	61.3
61.4	13:08:19		61.4	61.4
61.3	13:08:20		61.3	61.3
61.3	13:08:21		61.3	61.3
61.2	13:08:22		61.2	61.2
61.1	13:08:23		61.1	61.1
61.3	13:08:24		61.3	61.3
61.5	13:08:25		61.5	61.5
61.3	13:08:26		61.3	61.3
61.2	13:08:27		61.2	61.2
61.4	13:08:28		61.4	61.4
61.5	13:08:29		61.5	61.5
61.8	13:08:30		61.8	61.8
61.7	13:08:31		61.7	61.7
61.9	13:08:32		61.9	61.9
61.7	13:08:33		61.7	61.7
61.5	13:08:34		61.5	61.5
61.4	13:08:35		61.4	61.4
61.3	13:08:36		61.3	61.3

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
56.6	12:50:27		56.6	56.6
57.5	12:50:28		57.5	57.5
57.3	12:50:29		57.3	57.3
56.5	12:50:30		56.5	56.5
56.0	12:50:31		56.0	56.0
55.4	12:50:32		55.4	55.4
55.0	12:50:33		55.0	55.0
54.9	12:50:34		54.9	54.9
54.8	12:50:35		54.8	54.8
57.5	12:50:36		57.5	57.5
59.6	12:50:37		59.6	59.6
61.9	12:50:38		61.9	61.9
62.7	12:50:39		62.7	62.7
62.2	12:50:40		62.2	62.2
60.8	12:50:41		60.8	60.8
58.7	12:50:42		58.7	58.7
57.0	12:50:43		57.0	57.0
55.5	12:50:44		55.5	55.5
54.5	12:50:45		54.5	54.5
53.2	12:50:46		53.2	53.2
52.1	12:50:47		52.1	52.1
51.6	12:50:48		51.6	51.6
51.5	12:50:49		51.5	51.5
51.4	12:50:50		51.4	51.4
51.4	12:50:51		51.4	51.4
51.6	12:50:52		51.6	51.6
51.8	12:50:53		51.8	51.8
52.2	12:50:54		52.2	52.2
52.5	12:50:55		52.5	52.5
53.0	12:50:56		53.0	53.0
53.5	12:50:57		53.5	53.5
53.8	12:50:58		53.8	53.8
53.8	12:50:59		53.8	53.8
54.3	12:51:00		54.3	54.3
54.6	12:51:01		54.6	54.6
54.8	12:51:02		54.8	54.8
55.5	12:51:03		55.5	55.5
56.5	12:51:04		56.5	56.5
57.1	12:51:05		57.1	57.1
56.2	12:51:06		56.2	56.2
55.3	12:51:07		55.3	55.3
55.4	12:51:08		55.4	55.4
53.9	12:51:09		53.9	53.9
53.0	12:51:10		53.0	53.0
52.5	12:51:11		52.5	52.5
52.4	12:51:12		52.4	52.4
52.7	12:51:13		52.7	52.7
55.7	12:51:14		55.7	55.7
58.8	12:51:15		58.8	58.8
59.2	12:51:16		59.2	59.2
58.4	12:51:17		58.4	58.4
57.0	12:51:18		57.0	57.0
56.3	12:51:19		56.3	56.3
56.5	12:51:20		56.5	56.5
59.9	12:51:21		59.9	59.9
62.3	12:51:22		62.3	62.3
63.7	12:51:23		63.7	63.7
63.7	12:51:24		63.7	63.7
64.2	12:51:25		64.2	64.2
65.2	12:51:26		65.2	65.2
64.3	12:51:27		64.3	64.3
63.8	12:51:28		63.8	63.8
64.9	12:51:29		64.9	64.9
66.2	12:51:30		66.2	66.2
65.5	12:51:31		65.5	65.5
65.1	12:51:32		65.1	65.1
64.7	12:51:33		64.7	64.7
64.1	12:51:34		64.1	64.1
63.4	12:51:35		63.4	63.4
63.3	12:51:36		63.3	63.3
63.7	12:51:37		63.7	63.7
64.0	12:51:38		64.0	64.0
63.6	12:51:39		63.6	63.6
64.2	12:51:40		64.2	64.2
65.7	12:51:41		65.7	65.7
65.8	12:51:42		65.8	65.8
68.2	12:51:43		68.2	68.2
68.4	12:51:44		68.4	68.4
68.3	12:51:45		68.3	68.3
67.6	12:51:46		67.6	67.6
66.5	12:51:47		66.5	66.5
65.8	12:51:48		65.8	65.8
65.4	12:51:49		65.4	65.4
65.0	12:51:50		65.0	65.0
65.3	12:51:51		65.3	65.3
66.2	12:51:52		66.2	66.2
65.3	12:51:53		65.3	65.3
64.3	12:51:54		64.3	64.3
66.6	12:51:55		66.6	66.6
70.4	12:51:56		70.4	70.4
71.6	12:51:57		71.6	71.6
73.8	12:51:58		73.8	73.8
72.5	12:51:59		72.5	72.5
69.9	12:52:00		69.9	69.9
66.9	12:52:01		66.9	66.9
64.7	12:52:02		64.7	64.7
64.2	12:52:03		64.2	64.2
63.8	12:52:04		63.8	63.8
63.6	12:52:05		63.6	63.6
62.8	12:52:06		62.8	62.8
61.7	12:52:07		61.7	61.7
61.5	12:52:08		61.5	61.5
61.7	12:52:09		61.7	61.7
61.1	12:52:10		61.1	61.1
60.2	12:52:11		60.2	60.2
58.9	12:52:12		58.9	58.9
58.0	12:52:13		58.0	58.0
57.7	12:52:14		57.7	57.7
59.8	12:52:15		59.8	59.8
61.0	12:52:16		61.0	61.0
62.0	12:52:17		62.0	62.0
60.3	12:52:18		60.3	60.3
58.8	12:52:19		58.8	58.8
58.1	12:52:20		58.1	58.1
57.5	12:52:21		57.5	57.5
58.9	12:52:22		58.9	58.9
60.1	12:52:23		60.1	60.1
59.5	12:52:24		59.5	59.5
58.7	12:52:25		58.7	58.7
57.8	12:52:26		57.8	57.8
57.7	12:52:27		57.7	57.7
57.5	12:52:28		57.5	57.5
57.3	12:52:29		57.3	57.3
56.4	12:52:30		56.4	56.4
56.7	12:52:31		56.7	56.7
58.0	12:52:32		58.0	58.0
57.3	12:52:33		57.3	57.3
56.5	12:52:34		56.5	56.5
55.9	12:52:35		55.9	55.9
56.1	12:52:36		56.1	56.1
57.0	12:52:37		57.0	57.0
57.2	12:52:38		57.2	57.2
59.2	12:52:39		59.2	59.2
60.0	12:52:40		60.0	60.0
58.9	12:52:41		58.9	58.9
57.7	12:52:42		57.7	57.7
56.3	12:52:43		56.3	56.3
55.3	12:52:44		55.3	55.3
54.6	12:52:45		54.6	54.6
53.9	12:52:46		53.9	53.9
53.4	12:52:47		53.4	53.4
53.1	12:52:48		53.1	53.1
52.8	12:52:49		52.8	52.8
52.5	12:52:50		52.5	52.5
52.5	12:52:51		52.5	52.5
52.4	12:52:52		52.4	52.4
52.4	12:52:53		52.4	52.4
52.3	12:52:54		52.3	52.3
52.4	12:52:55		52.4	52.4
52.3	12:52:56		52.3	52.3
52.3	12:52:57		52.3	52.3
52.7	12:52:58		52.7	52.7
52.9	12:52:59		52.9	52.9
53.1	12:53:00		53.1	53.1
53.5	12:53:01		53.5	53.5
54.8	12:53:02		54.8	54.8
55.2	12:53:03		55.2	55.2
55.3	12:53:04		55.3	55.3
60.4	12:53:05		60.4	60.4
61.2	12:53:06		61.2	61.2
60.2	12:53:07		60.2	60.2
58.4	12:53:08		58.4	58.4

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
64.1	12:58:11		64.1	64.1
63.2	12:58:12		63.2	63.2
63.3	12:58:13		63.3	63.3
63.2	12:58:14		63.2	63.2
63.1	12:58:15		63.1	63.1
63.9	12:58:16		63.9	63.9
63.9	12:58:17		63.9	63.9
62.8	12:58:18		62.8	62.8
61.7	12:58:19		61.7	61.7
60.8	12:58:20		60.8	60.8
61.1	12:58:21		61.1	61.1
60.2	12:58:22		60.2	60.2
59.3	12:58:23		59.3	59.3
58.0	12:58:24		58.0	58.0
58.0	12:58:25		58.0	58.0
58.3	12:58:26		58.3	58.3
58.3	12:58:27		58.3	58.3
57.7	12:58:28		57.7	57.7
58.3	12:58:29		58.3	58.3
59.3	12:58:30		59.3	59.3
61.4	12:58:31		61.4	61.4
62.8	12:58:32		62.8	62.8
61.2	12:58:33		61.2	61.2
59.5	12:58:34		59.5	59.5
58.7	12:58:35		58.7	58.7
57.6	12:58:36		57.6	57.6
58.5	12:58:37		58.5	58.5
58.7	12:58:38		58.7	58.7
57.7	12:58:39		57.7	57.7
58.3	12:58:40		58.3	58.3
59.3	12:58:41		59.3	59.3
58.1	12:58:42		58.1	58.1
57.7	12:58:43		57.7	57.7
56.5	12:58:44		56.5	56.5
55.0	12:58:45		55.0	55.0
54.3	12:58:46		54.3	54.3
53.8	12:58:47		53.8	53.8
53.6	12:58:48		53.6	53.6
54.7	12:58:49		54.7	54.7
53.6	12:58:50		53.6	53.6
52.4	12:58:51		52.4	52.4
51.7	12:58:52		51.7	51.7
51.2	12:58:53		51.2	51.2
51.5	12:58:54		51.5	51.5
52.2	12:58:55		52.2	52.2
53.1	12:58:56		53.1	53.1
53.3	12:58:57		53.3	53.3
54.8	12:58:58		54.8	54.8
55.0	12:58:59		55.0	55.0
53.0	12:59:00		53.0	53.0
52.3	12:59:01		52.3	52.3
52.4	12:59:02		52.4	52.4
52.1	12:59:03		52.1	52.1
50.8	12:59:04		50.8	50.8
50.2	12:59:05		50.2	50.2
50.1	12:59:06		50.1	50.1
51.8	12:59:07		51.8	51.8
53.0	12:59:08		53.0	53.0
52.8	12:59:09		52.8	52.8
53.3	12:59:10		53.3	53.3
53.7	12:59:11		53.7	53.7
54.1	12:59:12		54.1	54.1
53.1	12:59:13		53.1	53.1
58.8	12:59:14		58.8	58.8
58.5	12:59:15		58.5	58.5
56.6	12:59:16		56.6	56.6
55.7	12:59:17		55.7	55.7
55.7	12:59:18		55.7	55.7
55.2	12:59:19		55.2	55.2
55.0	12:59:20		55.0	55.0
57.4	12:59:21		57.4	57.4
58.3	12:59:22		58.3	58.3
58.5	12:59:23		58.5	58.5
57.8	12:59:24		57.8	57.8
57.1	12:59:25		57.1	57.1
57.3	12:59:26		57.3	57.3
57.4	12:59:27		57.4	57.4
57.3	12:59:28		57.3	57.3
55.7	12:59:29		55.7	55.7
54.9	12:59:30		54.9	54.9
54.7	12:59:31		54.7	54.7
55.0	12:59:32		55.0	55.0
55.0	12:59:33		55.0	55.0
55.0	12:59:34		55.0	55.0
54.1	12:59:35		54.1	54.1
55.2	12:59:36		55.2	55.2
56.9	12:59:37		56.9	56.9
57.0	12:59:38		57.0	57.0
56.8	12:59:39		56.8	56.8
55.5	12:59:40		55.5	55.5
54.0	12:59:41		54.0	54.0
53.1	12:59:42		53.1	53.1
52.5	12:59:43		52.5	52.5
52.0	12:59:44		52.0	52.0
51.7	12:59:45		51.7	51.7
52.8	12:59:46		52.8	52.8
52.4	12:59:47		52.4	52.4
59.4	12:59:48		59.4	59.4
60.5	12:59:49		60.5	60.5
58.6	12:59:50		58.6	58.6
57.8	12:59:51		57.8	57.8
57.6	12:59:52		57.6	57.6
57.4	12:59:53		57.4	57.4
57.3	12:59:54		57.3	57.3
57.3	12:59:55		57.3	57.3
57.8	12:59:56		57.8	57.8
58.2	12:59:57		58.2	58.2
60.3	12:59:58		60.3	60.3
63.9	12:59:59		63.9	63.9
66.5	13:00:00		66.5	66.5
69.6	13:00:01		69.6	69.6
71.3	13:00:02		71.3	71.3
69.7	13:00:03		69.7	69.7
67.4	13:00:04		67.4	67.4
64.8	13:00:05		64.8	64.8
63.0	13:00:06		63.0	63.0
63.2	13:00:07		63.2	63.2
62.7	13:00:08		62.7	62.7
62.4	13:00:09		62.4	62.4
62.3	13:00:10		62.3	62.3
62.1	13:00:11		62.1	62.1
62.0	13:00:12		62.0	62.0
63.1	13:00:13		63.1	63.1
63.4	13:00:14		63.4	63.4
63.3	13:00:15		63.3	63.3
64.1	13:00:16		64.1	64.1
64.6	13:00:17		64.6	64.6
63.4	13:00:18		63.4	63.4
62.5	13:00:19		62.5	62.5
65.2	13:00:20		65.2	65.2
64.2	13:00:21		64.2	64.2
63.4	13:00:22		63.4	63.4
63.5	13:00:23		63.5	63.5
63.9	13:00:24		63.9	63.9
63.4	13:00:25		63.4	63.4
62.5	13:00:26		62.5	62.5
62.9	13:00:27		62.9	62.9
64.3	13:00:28		64.3	64.3
62.7	13:00:29		62.7	62.7
62.3	13:00:30		62.3	62.3
62.5	13:00:31		62.5	62.5
63.1	13:00:32		63.1	63.1
62.8	13:00:33		62.8	62.8
62.3	13:00:34		62.3	62.3
62.2	13:00:35		62.2	62.2
62.7	13:00:36		62.7	62.7
62.3	13:00:37		62.3	62.3
61.7	13:00:38		61.7	61.7
60.5	13:00:39		60.5	60.5
59.4	13:00:40		59.4	59.4
59.3	13:00:41		59.3	59.3
61.0	13:00:42		61.0	61.0
64.4	13:00:49		64.4	64.4
64.8	13:00:50		64.8	64.8
62.4	13:00:51		62.4	62.4
60.0	13:00:52		60.0	60.0

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.1	13:08:37		61.1	61.1
61.0	13:08:38		61.0	61.0
61.1	13:08:39		61.1	61.1
61.4	13:08:40		61.4	61.4
61.3	13:08:41		61.3	61.3
60.9	13:08:42		60.9	60.9
60.4	13:08:43		60.4	60.4
60.0	13:08:44		60.0	60.0
60.0	13:08:45		60.0	60.0
60.2	13:08:46		60.2	60.2
60.2	13:08:47		60.2	60.2
60.4	13:08:48		60.4	60.4
60.1	13:08:49		60.1	60.1
60.0	13:08:50		60.0	60.0
60.2	13:08:51		60.2	60.2
60.5	13:08:52		60.5	60.5
60.5	13:08:53		60.5	60.5
60.5	13:08:54		60.5	60.5
60.6	13:08:55		60.6	60.6
60.5	13:08:56		60.5	60.5
60.5	13:08:57		60.5	60.5
60.5	13:08:58		60.5	60.5
60.5	13:08:59		60.5	60.5
60.4	13:09:00		60.4	60.4
60.5	13:09:01		60.5	60.5
60.9	13:09:02		60.9	60.9
61.1	13:09:03		61.1	61.1
61.2	13:09:04		61.2	61.2
61.3	13:09:05		61.3	61.3
61.5	13:09:06		61.5	61.5
61.4	13:09:07		61.4	61.4
61.1	13:09:08		61.1	61.1
60.7	13:09:09		60.7	60.7
60.7	13:09:10		60.7	60.7
61.4	13:09:11		61.4	61.4
61.3	13:09:12		61.3	61.3
61.2	13:09:13		61.2	61.2
61.2	13:09:14		61.2	61.2
60.9	13:09:15		60.9	60.9
61.1	13:09:16		61.1	61.1
61.2	13:09:17		61.2	61.2
60.9	13:09:18		60.9	60.9
60.8	13:09:19		60.8	60.8
60.8	13:09:20		60.8	60.8
60.8	13:09:21		60.8	60.8
61.0	13:09:22		61.0	61.0
61.2	13:09:23		61.2	61.2
61.4	13:09:24		61.4	61.4
61.9	13:09:25		61.9	61.9
62.1	13:09:26		62.1	62.1
61.8	13:09:27		61.8	61.8
61.8	13:09:28		61.8	61.8
61.6	13:09:29		61.6	61.6
61.5	13:09:30		61.5	61.5
61.6	13:09:31		61.6	61.6
61.7	13:09:32		61.7	61.7
61.4	13:09:33		61.4	61.4
61.3	13:09:34		61.3	61.3
61.2	13:09:35		61.2	61.2
61.4	13:09:36		61.4	61.4
61.6	13:09:37		61.6	61.6
61.7	13:09:38		61.7	61.7
61.7	13:09:39		61.7	61.7
61.6	13:09:40		61.6	61.6
61.7	13:09:41		61.7	61.7
61.7	13:09:42		61.7	61.7
61.9	13:09:43		61.9	61.9
61.7	13:09:44		61.7	61.7
61.7	13:09:45		61.7	61.7
61.9	13:09:46		61.9	61.9
61.7	13:09:47		61.7	61.7
61.5	13:09:48		61.5	61.5
60.9	13:09:49		60.9	60.9
60.5	13:09:50		60.5	60.5
60.8	13:09:51		60.8	60.8
61.0	13:09:52		61.0	61.0
60.9	13:09:53		60.9	60.9
61.6	13:09:54		61.6	61.6
62.0	13:09:55		62.0	62.0
61.3	13:09:56		61.3	61.3
61.3	13:09:57		61.3	61.3
61.4	13:09:58		61.4	61.4
61.5	13:09:59		61.5	61.5
61.6	13:10:00		61.6	61.6
61.4	13:10:01		61.4	61.4
62.0	13:10:02		62.0	62.0
62.0	13:10:03		62.0	62.0
61.8	13:10:04		61.8	61.8
61.9	13:10:05		61.9	61.9
61.6	13:10:06		61.6	61.6
61.5	13:10:07		61.5	61.5
61.8	13:10:08		61.8	61.8
61.9	13:10:09		61.9	61.9
61.9	13:10:10		61.9	61.9
62.0	13:10:11		62.0	62.0
62.4	13:10:12		62.4	62.4
63.0	13:10:13		63.0	63.0
63.2	13:10:14		63.2	63.2
63.4	13:10:15		63.4	63.4
63.5	13:10:16		63.5	63.5
63.6	13:10:17		63.6	63.6
63.7	13:10:18		63.7	63.7
63.5	13:10:19		63.5	63.5
63.1	13:10:20		63.1	63.1
62.6	13:10:21		62.6	62.6
62.4	13:10:22		62.4	62.4
62.3	13:10:23		62.3	62.3
62.4	13:10:24		62.4	62.4
62.3	13:10:25		62.3	62.3
62.3	13:10:26		62.3	62.3
62.5	13:10:27		62.5	62.5
62.4	13:10:28		62.4	62.4
62.4	13:10:29		62.4	62.4
62.4	13:10:30		62.4	62.4
62.5	13:10:31		62.5	62.5
62.5	13:10:32		62.5	62.5
62.6	13:10:33		62.6	62.6
62.7	13:10:34		62.7	62.7
62.7	13:10:35		62.7	62.7
62.7	13:10:36		62.7	62.7
62.5	13:10:37		62.5	62.5
62.2	13:10:38		62.2	62.2
62.1	13:10:39		62.1	62.1
62.1	13:10:40		62.1	62.1
62.1	13:10:41		62.1	62.1
62.1	13:10:42		62.1	62.1
62.1	13:10:43		62.1	62.1
62.1	13:10:44		62.1	62.1
62.1	13:10:45		62.1	62.1
62.4	13:10:46		62.4	62.4
62.7	13:10:47		62.7	62.7
62.8	13:10:48		62.8	62.8
62.7	13:10:49		62.7	62.7
62.3	13:10:50		62.3	62.3
62.3	13:10:51		62.3	62.3
62.3	13:10:52		62.3	62.3
62.5	13:10:53		62.5	62.5
62.6	13:10:54		62.6	62.6
62.8	13:10:55		62.8	62.8
62.6	13:10:56		62.6	62.6
62.3	13:10:57		62.3	62.3
62.0	13:10:58		62.0	62.0
62.3	13:10:59		62.3	62.3
62.5	13:11:00		62.5	62.5
62.5	13:11:01		62.5	62.5
62.3	13:11:02		62.3	62.3
61.9	13:11:03		61.9	61.9
61.6	13:11:04		61.6	61.6
61.6	13:11:05		61.6	61.6
61.8	13:11:06		61.8	61.8
62.0	13:11:07		62.0	62.0
62.1	13:11:08		62.1	62.1
62.4	13:11:09		62.4	62.4
62.3	13:11:10		62.3	62.3
61.8	13:11:11		61.8	61.8
61.8	13:11:12		61.8	61.8
61.5	13:11:13		61.5	61.5
61.3	13:11:14		61.3	61.3
61.2	13:11:15		61.2	61.2
61.2	13:11:16		61.2	61.2
61.2	13:11:17		61.2	61.2
61.6	13:11:18		61.6	61.6

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
57.5	12:53:09		57.5	57.5
57.0	12:53:10		57.0	57.0
57.2	12:53:11		57.2	57.2
57.1	12:53:12		57.1	57.1
58.0	12:53:13		58.0	58.0
57.8	12:53:14		57.8	57.8
57.3	12:53:15		57.3	57.3
57.0	12:53:16		57.0	57.0
56.8	12:53:17		56.8	56.8
57.3	12:53:18		57.3	57.3
56.7	12:53:19		56.7	56.7
56.5	12:53:20		56.5	56.5
56.5	12:53:21		56.5	56.5
57.4	12:53:22		57.4	57.4
57.7	12:53:23		57.7	57.7
57.0	12:53:24		57.0	57.0
56.6	12:53:25		56.6	56.6
57.3	12:53:26		57.3	57.3
59.1	12:53:27		59.1	59.1
58.8	12:53:28		58.8	58.8
58.4	12:53:29		58.4	58.4
58.0	12:53:30		58.0	58.0
57.8	12:53:31		57.8	57.8
57.8	12:53:32		57.8	57.8
57.5	12:53:33		57.5	57.5
57.5	12:53:34		57.5	57.5
57.6	12:53:35		57.6	57.6
58.1	12:53:36		58.1	58.1
59.4	12:53:37		59.4	59.4
60.2	12:53:38		60.2	60.2
63.1	12:53:39		63.1	63.1
63.7	12:53:40		63.7	63.7
62.5	12:53:41		62.5	62.5
60.5	12:53:42		60.5	60.5
60.3	12:53:43		60.3	60.3
60.7	12:53:44		60.7	60.7
60.9	12:53:45		60.9	60.9
61.5	12:53:46		61.5	61.5
62.9	12:53:47		62.9	62.9
63.3	12:53:48		63.3	63.3
63.3	12:53:49		63.3	63.3
64.8	12:53:50		64.8	64.8
65.4	12:53:51		65.4	65.4
65.4	12:53:52		65.4	65.4
65.7	12:53:53		65.7	65.7
65.4	12:53:54		65.4	65.4
65.1	12:53:55		65.1	65.1
64.1	12:53:56		64.1	64.1
62.9	12:53:57		62.9	62.9
62.0	12:53:58		62.0	62.0
63.4	12:53:59		63.4	63.4
65.2	12:54:00		65.2	65.2
65.3	12:54:01		65.3	65.3
64.9	12:54:02		64.9	64.9
64.8	12:54:03		64.8	64.8
66.3	12:54:04		66.3	66.3
66.0	12:54:05		66.0	66.0
66.0	12:54:06		66.0	66.0
66.1	12:54:07		66.1	66.1
65.5	12:54:08		65.5	65.5
65.9	12:54:09		65.9	65.9
65.9	12:54:10		65.9	65.9
65.9	12:54:11		65.9	65.9
65.2	12:54:12		65.2	65.2
65.2	12:54:13		65.2	65.2
65.2	12:54:14		65.2	65.2
64.9	12:54:15		64.9	64.9
64.4	12:54:16		64.4	64.4
63.9	12:54:17		63.9	63.9
63.2	12:54:18		63.2	63.2
62.8	12:54:19		62.8	62.8
63.0	12:54:20		63.0	63.0
62.6	12:54:21		62.6	62.6
62.0	12:54:22		62.0	62.0
61.6	12:54:23		61.6	61.6
61.0	12:54:24		61.0	61.0
61.0	12:54:25		61.0	61.0
61.0	12:54:26		61.0	61.0
60.9	12:54:27		60.9	60.9
61.6	12:54:28		61.6	61.6
61.5	12:54:29		61.5	61.5
59.6	12:54:30		59.6	59.6
59.3	12:54:31		59.3	59.3
63.1	12:54:32		63.1	63.1
63.5	12:54:33		63.5	63.5
62.8	12:54:34		62.8	62.8
62.6	12:54:35		62.6	62.6
65.3	12:54:36		65.3	65.3
65.2	12:54:37		65.2	65.2
66.3	12:54:38		66.3	66.3
68.1	12:54:39		68.1	68.1
66.2	12:54:40		66.2	66.2
64.5	12:54:41		64.5	64.5
61.5	12:54:42		61.5	61.5
59.7	12:54:43		59.7	59.7
60.3	12:54:44		60.3	60.3
60.4	12:54:45		60.4	60.4
59.6	12:54:46		59.6	59.6
58.3	12:54:47		58.3	58.3
57.6	12:54:48		57.6	57.6
57.8	12:54:49		57.8	57.8
59.5	12:54:50		59.5	59.5
59.3	12:54:51		59.3	59.3
59.3	12:54:52		59.3	59.3
59.0	12:54:53		59.0	59.0
60.1	12:54:54		60.1	60.1
59.4	12:54:55		59.4	59.4
58.6	12:54:56		58.6	58.6
57.7	12:54:57		57.7	57.7
56.5	12:54:58		56.5	56.5
58.5	12:54:59		58.5	58.5
63.0	12:55:00		63.0	63.0
62.8	12:55:01		62.8	62.8
60.7	12:55:02		60.7	60.7
58.3	12:55:03		58.3	58.3
56.8	12:55:04		56.8	56.8
61.3	12:55:05		61.3	61.3
59.6	12:55:06		59.6	59.6
57.4	12:55:07		57.4	57.4
56.4	12:55:08		56.4	56.4
56.1	12:55:09		56.1	56.1
57.9	12:55:10		57.9	57.9
58.8	12:55:11		58.8	58.8
58.4	12:55:12		58.4	58.4
57.1	12:55:13		57.1	57.1
55.7	12:55:14		55.7	55.7
55.4	12:55:15		55.4	55.4
55.1	12:55:16		55.1	55.1
54.9	12:55:17		54.9	54.9
56.0	12:55:18		56.0	56.0
55.7	12:55:19		55.7	55.7
55.2	12:55:20		55.2	55.2
56.6	12:55:21		56.6	56.6
58.8	12:55:22		58.8	58.8
59.0	12:55:23		59.0	59.0
59.6	12:55:24		59.6	59.6
58.7	12:55:25		58.7	58.7
57.5	12:55:26		57.5	57.5
56.3	12:55:27		56.3	56.3
55.5	12:55:28		55.5	55.5
55.6	12:55:29		55.6	55.6
55.2	12:55:30		55.2	55.2
54.6	12:55:31		54.6	54.6
58.0	12:55:32		58.0	58.0
57.4	12:55:33		57.4	57.4
57.6	12:55:34		57.6	57.6
56.8	12:55:35		56.8	56.8
57.0	12:55:36		57.0	57.0
58.5	12:55:37		58.5	58.5
57.7	12:55:38		57.7	57.7
57.0	12:55:39		57.0	57.0
56.2	12:55:40		56.2	56.2
55.6	12:55:41		55.6	55.6
55.4	12:55:42		55.4	55.4
56.0	12:55:43		56.0	56.0
56.8	12:55:44		56.8	56.8
60.4	12:55:45		60.4	60.4
64.7	12:55:46		64.7	64.7
66.0	12:55:47		66.0	66.0
65.8	12:55:48		65.8	65.8
65.7	12:55:49		65.7	65.7
66.0	12:55:50		66.0	66.0

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
58.4	13:00:53		58.4	58.4
57.2	13:00:54		57.2	57.2
56.1	13:00:55		56.1	56.1
55.0	13:00:56		55.0	55.0
54.5	13:00:57		54.5	54.5
54.7	13:00:58		54.7	54.7
54.9	13:00:59		54.9	54.9
56.0	13:01:00		56.0	56.0
56.9	13:01:01		56.9	56.9
58.6	13:01:02		58.6	58.6
58.3	13:01:03		58.3	58.3
58.4	13:01:04		58.4	58.4
57.6	13:01:05		57.6	57.6
56.3	13:01:06		56.3	56.3
57.4	13:01:07		57.4	57.4
58.2	13:01:08		58.2	58.2
58.5	13:01:09		58.5	58.5
58.0	13:01:10		58.0	58.0
57.0	13:01:11		57.0	57.0
57.1	13:01:12		57.1	57.1
56.5	13:01:13		56.5	56.5
57.2	13:01:14		57.2	57.2
56.9	13:01:15		56.9	56.9
54.8	13:01:16		54.8	54.8
52.8	13:01:17		52.8	52.8
51.5	13:01:18		51.5	51.5
51.2	13:01:19		51.2	51.2
51.0	13:01:20		51.0	51.0
51.4	13:01:21		51.4	51.4
52.5	13:01:22		52.5	52.5
52.6	13:01:23		52.6	52.6
52.9	13:01:24		52.9	52.9
52.9	13:01:25		52.9	52.9
53.2	13:01:26		53.2	53.2
54.1	13:01:27		54.1	54.1
56.8	13:01:28		56.8	56.8
57.2	13:01:29		57.2	57.2
57.4	13:01:30		57.4	57.4
57.3	13:01:31		57.3	57.3
56.7	13:01:32		56.7	56.7
55.5	13:01:33		55.5	55.5
56.5	13:01:34		56.5	56.5
58.5	13:01:35		58.5	58.5
56.6	13:01:36		56.6	56.6
55.5	13:01:37		55.5	55.5
55.9	13:01:38		55.9	55.9
56.3	13:01:39		56.3	56.3
56.4	13:01:40		56.4	56.4
55.7	13:01:41		55.7	55.7
58.4	13:01:42		58.4	58.4
63.4	13:01:43		63.4	63.4
63.1	13:01:44		63.1	63.1
60.6	13:01:45		60.6	60.6
59.1	13:01:46		59.1	59.1
57.7	13:01:47		57.7	57.7
56.8	13:01:48		56.8	56.8
57.5	13:01:49		57.5	57.5
60.6	13:01:50		60.6	60.6
63.9	13:01:51		63.9	63.9
63.4	13:01:52		63.4	63.4
62.6	13:01:53		62.6	62.6
61.7	13:01:54		61.7	61.7
61.7	13:01:55		61.7	61.7
61.5	13:01:56		61.5	61.5
61.5	13:01:57		61.5	61.5
62.2	13:01:58		62.2	62.2
63.3	13:01:59		63.3	63.3
64.0	13:02:00		64.0	64.0
65.0	13:02:01		65.0	65.0
65.6	13:02:02		65.6	65.6
65.1	13:02:03		65.1	65.1
64.0	13:02:04		64.0	64.0
64.6	13:02:05		64.6	64.6
64.2	13:02:06		64.2	64.2
63.7	13:02:07		63.7	63.7
63.6	13:02:08		63.6	63.6
62.9	13:02:09		62.9	62.9
63.1	13:02:10		63.1	63.1
63.3	13:02:11		63.3	63.3
67.0	13:02:12		67.0	67.0
67.8	13:02:13		67.8	67.8
65.9	13:02:14		65.9	65.9
64.5	13:02:15		64.5	64.5
64.5	13:02:16		64.5	64.5
63.6	13:02:17		63.6	63.6
64.3	13:02:18		64.3	64.3
63.7	13:02:19		63.7	63.7
62.5	13:02:20		62.5	62.5
62.4	13:02:21		62.4	62.4
63.0	13:02:22		63.0	63.0
62.1	13:02:23		62.1	62.1
61.4	13:02:24		61.4	61.4
61.5	13:02:25		61.5	61.5
60.3	13:02:26		60.3	60.3
59.2	13:02:27		59.2	59.2
59.5	13:02:28		59.5	59.5
59.7	13:02:29		59.7	59.7
59.4	13:02:30		59.4	59.4
58.9	13:02:31		58.9	58.9
59.7	13:02:32		59.7	59.7
60.1	13:02:33		60.1	60.1
60.7	13:02:34		60.7	60.7
60.5	13:02:35		60.5	60.5
59.6	13:02:36		59.6	59.6
59.4	13:02:37		59.4	59.4
60.8	13:02:38		60.8	60.8
61.8	13:02:39		61.8	61.8
62.4	13:02:40		62.4	62.4
62.1	13:02:41		62.1	62.1
60.5	13:02:42		60.5	60.5
61.4	13:02:43		61.4	61.4
62.3	13:02:44		62.3	62.3
62.8	13:02:45		62.8	62.8
61.8	13:02:46		61.8	61.8
60.8	13:02:47		60.8	60.8
60.6	13:02:48		60.6	60.6
60.6	13:02:49		60.6	60.6
59.7	13:02:50		59.7	59.7
58.1	13:02:51		58.1	58.1
57.1	13:02:52		57.1	57.1
57.2	13:02:53		57.2	57.2
59.0	13:02:54		59.0	59.0
60.0	13:02:55		60.0	60.0
61.2	13:02:56		61.2	61.2
60.1	13:02:57		60.1	60.1
57.8	13:02:58		57.8	57.8
56.8	13:02:59		56.8	56.8
57.2	13:03:00		57.2	57.2
56.5	13:03:01		56.5	56.5
56.3	13:03:02		56.3	56.3
57.2	13:03:03		57.2	57.2
57.3	13:03:04		57.3	57.3
58.2	13:03:05		58.2	58.2
58.0	13:03:06		58.0	58.0
57.8	13:03:07		57.8	57.8
56.1	13:03:08		56.1	56.1
54.6	13:03:09		54.6	54.6
54.5	13:03:10		54.5	54.5
55.7	13:03:11		55.7	55.7
55.8	13:03:12		55.8	55.8
55.3	13:03:13		55.3	55.3
55.1	13:03:14		55.1	55.1
54.6	13:03:15		54.6	54.6
53.7	13:03:16		53.7	53.7
53.1	13:03:17		53.1	53.1
53.4	13:03:18		53.4	53.4
55.1	13:03:19		55.1	55.1
56.0	13:03:20		56.0	56.0
57.1	13:03:21		57.1	57.1
57.9	13:03:22		57.9	57.9
57.3	13:03:23		57.3	57.3
56.4	13:03:24		56.4	56.4
56.3	13:03:25		56.3	56.3
56.6	13:03:26		56.6	56.6
55.5	13:03:27		55.5	55.5
54.6	13:03:28		54.6	54.6
54.2	13:03:29		54.2	54.2
55.2	13:03:30		55.2	55.2
58.5	13:03:31		58.5	58.5
60.3	13:03:32		60.3	60.3
59.2	13:03:33		59.2	59.2
57.4	13:03:34		57.4	57.4

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
62.0	13:11:19		62.0	62.0
62.0	13:11:20		62.0	62.0
61.9	13:11:21		61.9	61.9
62.0	13:11:22		62.0	62.0
61.9	13:11:23		61.9	61.9
61.7	13:11:24		61.7	61.7
61.7	13:11:25		61.7	61.7
61.7	13:11:26		61.7	61.7
61.8	13:11:27		61.8	61.8
62.1	13:11:28		62.1	62.1
62.7	13:11:29		62.7	62.7
63.1	13:11:30		63.1	63.1
63.2	13:11:31		63.2	63.2
63.4	13:11:32		63.4	63.4
63.4	13:11:33		63.4	63.4
62.9	13:11:34		62.9	62.9
62.6	13:11:35		62.6	62.6
62.4	13:11:36		62.4	62.4
62.4	13:11:37		62.4	62.4
62.4	13:11:38		62.4	62.4
62.7	13:11:39		62.7	62.7
62.7	13:11:40		62.7	62.7
62.6	13:11:41		62.6	62.6
62.6	13:11:42		62.6	62.6
62.7	13:11:43		62.7	62.7
63.0	13:11:44		63.0	63.0
63.1	13:11:45		63.1	63.1
63.2	13:11:46		63.2	63.2
63.4	13:11:47		63.4	63.4
63.6	13:11:48		63.6	63.6
63.8	13:11:49		63.8	63.8
63.8	13:11:50		63.8	63.8
63.4	13:11:51		63.4	63.4
63.3	13:11:52		63.3	63.3
63.3	13:11:53		63.3	63.3
63.1	13:11:54		63.1	63.1
63.0	13:11:55		63.0	63.0
62.6	13:11:56		62.6	62.6
62.4	13:11:57		62.4	62.4
62.4	13:11:58		62.4	62.4
62.1	13:11:59		62.1	62.1
61.8	13:12:00		61.8	61.8
62.1	13:12:01		62.1	62.1
62.4	13:12:02		62.4	62.4
62.8	13:12:03		62.8	62.8
63.1	13:12:04		63.1	63.1
63.5	13:12:05		63.5	63.5
63.5	13:12:06		63.5	63.5
63.2	13:12:07		63.2	63.2
62.7	13:12:08		62.7	62.7
62.3	13:12:09		62.3	62.3
62.1	13:12:10		62.1	62.1
61.9	13:12:11		61.9	61.9
61.6	13:12:12		61.6	61.6
61.5	13:12:13		61.5	61.5
61.6	13:12:14		61.6	61.6
61.8	13:12:15		61.8	61.8
61.9	13:12:16		61.9	61.9
61.9	13:12:17		61.9	61.9
61.8	13:12:18		61.8	61.8
61.7	13:12:19		61.7	61.7
61.7	13:12:20		61.7	61.7
61.7	13:12:21		61.7	61.7
61.7	13:12:22		61.7	61.7
61.7	13:12:23		61.7	61.7
61.6	13:12:24		61.6	61.6
61.5	13:12:25		61.5	61.5
61.5	13:12:26		61.5	61.5
61.9	13:12:27		61.9	61.9
62.0	13:12:28		62.0	62.0
62.4	13:12:29		62.4	62.4
62.4	13:12:30		62.4	62.4
62.2	13:12:31		62.2	62.2
62.2	13:12:32		62.2	62.2
62.0	13:12:33		62.0	62.0
62.0	13:12:34		62.0	62.0
62.2	13:12:35		62.2	62.2
62.1	13:12:36		62.1	62.1
61.9	13:12:37		61.9	61.9
61.9	13:12:38		61.9	61.9
62.1	13:12:39		62.1	62.1
62.1	13:12:40		62.1	62.1
62.1	13:12:41		62.1	62.1
62.1	13:12:42		62.1	62.1
62.1	13:12:43		62.1	62.1
62.2	13:12:44		62.2	62.2
62.2	13:12:45		62.2	62.2
62.4	13:12:46		62.4	62.4
62.3	13:12:47		62.3	62.3
62.4	13:12:48		62.4	62.4
62.3	13:12:49		62.3	62.3
62.2	13:12:50		62.2	62.2
62.0	13:12:51		62.0	62.0
61.8	13:12:52		61.8	61.8
61.7	13:12:53		61.7	61.7
61.6	13:12:54		61.6	61.6
61.5	13:12:55		61.5	61.5
61.6	13:12:56		61.6	61.6
61.5	13:12:57		61.5	61.5
61.6	13:12:58		61.6	61.6
61.9	13:12:59		61.9	61.9
61.9	13:13:00		61.9	61.9
61.6	13:13:01		61.6	61.6
61.6	13:13:02		61.6	61.6
61.8	13:13:03		61.8	61.8
61.9	13:13:04		61.9	61.9
61.9	13:13:05		61.9	61.9
62.0	13:13:06		62.0	62.0
61.8	13:13:07		61.8	61.8
61.7	13:13:08		61.7	61.7
61.7	13:13:09		61.7	61.7
61.5	13:13:10		61.5	61.5
61.5	13:13:11		61.5	61.5
61.6	13:13:12		61.6	61.6
61.7	13:13:13		61.7	61.7
61.7	13:13:14		61.7	61.7
61.8	13:13:15		61.8	61.8
61.9	13:13:16		61.9	61.9
61.6	13:13:17		61.6	61.6
62.0	13:13:18		62.0	62.0
62.2	13:13:19		62.2	62.2
62.2	13:13:20		62.2	62.2
62.2	13:13:21		62.2	62.2
61.9	13:13:22		61.9	61.9
61.9	13:13:23		61.9	61.9
62.0	13:13:24		62.0	62.0
62.3	13:13:25		62.3	62.3
62.6	13:13:26		62.6	62.6
62.6	13:13:27		62.6	62.6
63.0	13:13:28		63.0	63.0
64.6	13:13:29		64.6	64.6
65.2	13:13:30		65.2	65.2
64.3	13:13:31		64.3	64.3
63.6	13:13:32		63.6	63.6
62.9	13:13:33		62.9	62.9
62.4	13:13:34		62.4	62.4
62.1	13:13:35		62.1	62.1
62.0	13:13:36		62.0	62.0
62.0	13:13:37		62.0	62.0
61.9	13:13:38		61.9	61.9
61.6	13:13:39		61.6	61.6
61.7	13:13:40		61.7	61.7
61.7	13:13:41		61.7	61.7
61.7	13:13:42		61.7	61.7
62.0	13:13:43		62.0	62.0
62.2	13:13:44		62.2	62.2
62.3	13:13:45		62.3	62.3
62.3	13:13:46		62.3	62.3
62.2	13:13:47		62.2	62.2
62.0	13:13:48		62.0	62.0
61.9	13:13:49		61.9	61.9
61.8	13:13:50		61.8	61.8
61.9	13:13:51		61.9	61.9
62.0	13:13:52		62.0	62.0
62.3	13:13:53		62.3	62.3
62.5	13:13:54		62.5	62.5
62.4	13:13:55		62.4	62.4
62.4	13:13:56		62.4	62.4
62.2	13:13:57		62.2	62.2
62.0	13:13:58		62.0	62.0
62.2	13:13:59		62.2	62.2
62.1	13:14:00		62.1	62.1

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
65.9	12:55:51		65.9	65.9
65.8	12:55:52		65.8	65.8
66.2	12:55:53		66.2	66.2
68.6	12:55:54		68.6	68.6
69.0	12:55:55		69.0	69.0
68.6	12:55:56		68.6	68.6
67.8	12:55:57		67.8	67.8
66.4	12:55:58		66.4	66.4
64.5	12:55:59		64.5	64.5
64.0	12:56:00		64.0	64.0
63.0	12:56:01		63.0	63.0
62.4	12:56:02		62.4	62.4
61.7	12:56:03		61.7	61.7
61.2	12:56:04		61.2	61.2
61.7	12:56:05		61.7	61.7
61.7	12:56:06		61.7	61.7
61.5	12:56:07		61.5	61.5
61.4	12:56:08		61.4	61.4
61.4	12:56:09		61.4	61.4
61.0	12:56:10		61.0	61.0
61.3	12:56:11		61.3	61.3
60.8	12:56:12		60.8	60.8
60.5	12:56:13		60.5	60.5
60.1	12:56:14		60.1	60.1
59.9	12:56:15		59.9	59.9
61.1	12:56:16		61.1	61.1
60.8	12:56:17		60.8	60.8
60.7	12:56:18		60.7	60.7
59.8	12:56:19		59.8	59.8
59.7	12:56:20		59.7	59.7
60.0	12:56:21		60.0	60.0
60.3	12:56:22		60.3	60.3
61.4	12:56:23		61.4	61.4
61.4	12:56:24		61.4	61.4
60.3	12:56:25		60.3	60.3
60.5	12:56:26		60.5	60.5
60.7	12:56:27		60.7	60.7
60.5	12:56:28		60.5	60.5
59.6	12:56:29		59.6	59.6
59.3	12:56:30		59.3	59.3
61.2	12:56:31		61.2	61.2
63.9	12:56:32		63.9	63.9
64.7	12:56:33		64.7	64.7
64.4	12:56:34		64.4	64.4
63.8	12:56:35		63.8	63.8
63.7	12:56:36		63.7	63.7
63.4	12:56:37		63.4	63.4
63.2	12:56:38		63.2	63.2
62.4	12:56:39		62.4	62.4
61.9	12:56:40		61.9	61.9
60.2	12:56:41		60.2	60.2
58.4	12:56:42		58.4	58.4
56.6	12:56:43		56.6	56.6
54.7	12:56:44		54.7	54.7
53.3	12:56:45		53.3	53.3
52.6	12:56:46		52.6	52.6
52.9	12:56:47		52.9	52.9
56.6	12:56:48		56.6	56.6
56.3	12:56:49		56.3	56.3
56.7	12:56:50		56.7	56.7
58.4	12:56:51		58.4	58.4
59.1	12:56:52		59.1	59.1
57.7	12:56:53		57.7	57.7
55.9	12:56:54		55.9	55.9
55.1	12:56:55		55.1	55.1
55.1	12:56:56		55.1	55.1
54.3	12:56:57		54.3	54.3
54.0	12:56:58		54.0	54.0
54.6	12:56:59		54.6	54.6
54.8	12:57:00		54.8	54.8
54.4	12:57:01		54.4	54.4
54.0	12:57:02		54.0	54.0
54.1	12:57:03		54.1	54.1
54.2	12:57:04		54.2	54.2
54.0	12:57:05		54.0	54.0
54.2	12:57:06		54.2	54.2
54.3	12:57:07		54.3	54.3
56.0	12:57:08		56.0	56.0
58.7	12:57:09		58.7	58.7
60.2	12:57:10		60.2	60.2
61.7	12:57:11		61.7	61.7
61.2	12:57:12		61.2	61.2
59.6	12:57:13		59.6	59.6
57.8	12:57:14		57.8	57.8
56.4	12:57:15		56.4	56.4
55.4	12:57:16		55.4	55.4
54.0	12:57:17		54.0	54.0
53.1	12:57:18		53.1	53.1
52.5	12:57:19		52.5	52.5
53.0	12:57:20		53.0	53.0
53.3	12:57:21		53.3	53.3
53.1	12:57:22		53.1	53.1
52.9	12:57:23		52.9	52.9
53.5	12:57:24		53.5	53.5
54.1	12:57:25		54.1	54.1
55.5	12:57:26		55.5	55.5
56.2	12:57:27		56.2	56.2
56.6	12:57:28		56.6	56.6
56.6	12:57:29		56.6	56.6
55.8	12:57:30		55.8	55.8
55.3	12:57:31		55.3	55.3
54.5	12:57:32		54.5	54.5
53.6	12:57:33		53.6	53.6
53.1	12:57:34		53.1	53.1
52.8	12:57:35		52.8	52.8
52.6	12:57:36		52.6	52.6
52.6	12:57:37		52.6	52.6
53.0	12:57:38		53.0	53.0
55.5	12:57:39		55.5	55.5
55.9	12:57:40		55.9	55.9
56.2	12:57:41		56.2	56.2
55.0	12:57:42		55.0	55.0
54.0	12:57:43		54.0	54.0
54.3	12:57:44		54.3	54.3
55.1	12:57:45		55.1	55.1
54.6	12:57:46		54.6	54.6
54.2	12:57:47		54.2	54.2
53.7	12:57:48		53.7	53.7
53.6	12:57:49		53.6	53.6
53.6	12:57:50		53.6	53.6
53.1	12:57:51		53.1	53.1
52.9	12:57:52		52.9	52.9
53.0	12:57:53		53.0	53.0
54.1	12:57:54		54.1	54.1
54.2	12:57:55		54.2	54.2
53.6	12:57:56		53.6	53.6
53.4	12:57:57		53.4	53.4
55.9	12:57:58		55.9	55.9
57.3	12:57:59		57.3	57.3
57.7	12:58:00		57.7	57.7
59.2	12:58:01		59.2	59.2
59.5	12:58:02		59.5	59.5
59.2	12:58:03		59.2	59.2
59.1	12:58:04		59.1	59.1
60.9	12:58:05		60.9	60.9
61.4	12:58:06		61.4	61.4
61.8	12:58:07		61.8	61.8
61.0	12:58:08		61.0	61.0
60.7	12:58:09		60.7	60.7
60.3	12:58:10		60.3	60.3
60.9	12:58:11		60.9	60.9
62.6	12:58:12		62.6	62.6
62.6	12:58:13		62.6	62.6
61.5	12:58:14		61.5	61.5
60.8	12:58:15		60.8	60.8
60.0	12:58:16		60.0	60.0
59.7	12:58:17		59.7	59.7
59.4	12:58:18		59.4	59.4
59.4	12:58:19		59.4	59.4
59.8	12:58:20		59.8	59.8
60.1	12:58:21		60.1	60.1
63.3	12:58:22		63.3	63.3
65.0	12:58:23		65.0	65.0
65.4	12:58:24		65.4	65.4
64.9	12:58:25		64.9	64.9
64.4	12:58:26		64.4	64.4
63.9	12:58:27		63.9	63.9
65.2	12:58:28		65.2	65.2
65.8	12:58:29		65.8	65.8
65.4	12:58:30		65.4	65.4
65.2	12:58:31		65.2	65.2
65.2	12:58:32		65.2	65.2

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
56.3	13:03:35		56.3	56.3
57.7	13:03:36		57.7	57.7
62.2	13:03:37		62.2	62.2
65.1	13:03:38		65.1	65.1
64.1	13:03:39		64.1	64.1
63.2	13:03:40		63.2	63.2
61.9	13:03:41		61.9	61.9
59.8	13:03:42		59.8	59.8
59.6	13:03:43		59.6	59.6
61.6	13:03:44		61.6	61.6
62.2	13:03:45		62.2	62.2
60.0	13:03:46		60.0	60.0
57.9	13:03:47		57.9	57.9
57.0	13:03:48		57.0	57.0
56.6	13:03:49		56.6	56.6
57.0	13:03:50		57.0	57.0
58.1	13:03:51		58.1	58.1
58.4	13:03:52		58.4	58.4
59.4	13:03:53		59.4	59.4
61.0	13:03:54		61.0	61.0
60.8	13:03:55		60.8	60.8
61.0	13:03:56		61.0	61.0
60.9	13:03:57		60.9	60.9
61.7	13:03:58		61.7	61.7
61.4	13:03:59		61.4	61.4
62.3	13:04:00		62.3	62.3
60.7	13:04:01		60.7	60.7
59.9	13:04:02		59.9	59.9
59.9	13:04:03		59.9	59.9
60.2	13:04:04		60.2	60.2
58.3	13:04:05		58.3	58.3
58.7	13:04:06		58.7	58.7
58.7	13:04:07		58.7	58.7
61.0	13:04:08		61.0	61.0
63.7	13:04:09		63.7	63.7
61.8	13:04:10		61.8	61.8
59.9	13:04:11		59.9	59.9
59.4	13:04:12		59.4	59.4
58.5	13:04:13		58.5	58.5
58.0	13:04:14		58.0	58.0
58.8	13:04:15		58.8	58.8
60.4	13:04:16		60.4	60.4
62.1	13:04:17		62.1	62.1
61.7	13:04:18		61.7	61.7
60.6	13:04:19		60.6	60.6
60.6	13:04:20		60.6	60.6
61.7	13:04:21		61.7	61.7
62.7	13:04:22		62.7	62.7
62.0	13:04:23		62.0	62.0
61.7	13:04:24		61.7	61.7
62.2	13:04:25		62.2	62.2
62.4	13:04:26		62.4	62.4
61.7	13:04:27		61.7	61.7
61.0	13:04:28		61.0	61.0
61.1	13:04:29		61.1	61.1
61.0	13:04:30		61.0	61.0
61.1	13:04:31		61.1	61.1
60.8	13:04:32		60.8	60.8
61.0	13:04:33		61.0	61.0
61.5	13:04:34		61.5	61.5
63.2	13:04:35		63.2	63.2
63.0	13:04:36		63.0	63.0
63.7	13:04:37		63.7	63.7
65.8	13:04:38		65.8	65.8
65.7	13:04:39		65.7	65.7
65.4	13:04:40		65.4	65.4
65.4	13:04:41		65.4	65.4
65.1	13:04:42		65.1	65.1
63.9	13:04:43		63.9	63.9
64.1	13:04:44		64.1	64.1
65.3	13:04:45		65.3	65.3
65.1	13:04:46		65.1	65.1
63.5	13:04:47		63.5	63.5
62.8	13:04:48		62.8	62.8
62.9	13:04:49		62.9	62.9
62.8	13:04:50		62.8	62.8
63.0	13:04:51		63.0	63.0
64.0	13:04:52		64.0	64.0
66.2	13:04:53		66.2	66.2
67.5	13:04:54		67.5	67.5
65.6	13:04:55		65.6	65.6
63.0	13:04:56		63.0	63.0
61.6	13:04:57		61.6	61.6
61.2	13:04:58		61.2	61.2
60.9	13:04:59		60.9	60.9
62.3	13:05:00		62.3	62.3
63.5	13:05:01		63.5	63.5
62.6	13:05:02		62.6	62.6
62.6	13:05:03		62.6	62.6
61.3	13:05:04		61.3	61.3
60.2	13:05:05		60.2	60.2
60.2	13:05:06		60.2	60.2
59.3	13:05:07		59.3	59.3
59.9	13:05:08		59.9	59.9
60.0	13:05:09		60.0	60.0
59.3	13:05:10		59.3	59.3
58.0	13:05:11		58.0	58.0
57.5	13:05:12		57.5	57.5
58.4	13:05:13		58.4	58.4
58.8	13:05:14		58.8	58.8
58.0	13:05:15		58.0	58.0
58.5	13:05:16		58.5	58.5
61.4	13:05:17		61.4	61.4
61.9	13:05:18		61.9	61.9
60.9	13:05:19		60.9	60.9
60.6	13:05:20		60.6	60.6
59.0	13:05:21		59.0	59.0
57.9	13:05:22		57.9	57.9
57.6	13:05:23		57.6	57.6
57.3	13:05:24		57.3	57.3
55.9	13:05:25		55.9	55.9
54.9	13:05:26		54.9	54.9
54.1	13:05:27		54.1	54.1
53.3	13:05:28		53.3	53.3
52.9	13:05:29		52.9	52.9
53.0	13:05:30		53.0	53.0
53.7	13:05:31		53.7	53.7
54.6	13:05:32		54.6	54.6
56.5	13:05:33		56.5	56.5
57.2	13:05:34		57.2	57.2
56.8	13:05:35		56.8	56.8
57.9	13:05:36		57.9	57.9
58.0	13:05:37		58.0	58.0
57.6	13:05:38		57.6	57.6
58.0	13:05:39		58.0	58.0
58.1	13:05:40		58.1	58.1
58.2	13:05:41		58.2	58.2
58.4	13:05:42		58.4	58.4
57.8	13:05:43		57.8	57.8
56.9	13:05:44		56.9	56.9
55.5	13:05:45		55.5	55.5
55.2	13:05:46		55.2	55.2
55.2	13:05:47		55.2	55.2
55.3	13:05:48		55.3	55.3
56.3	13:05:49		56.3	56.3
55.7	13:05:50		55.7	55.7
53.8	13:05:51		53.8	53.8
53.9	13:05:52		53.9	53.9
53.8	13:05:53		53.8	53.8
53.8	13:05:54		53.8	53.8
53.4	13:05:55		53.4	53.4
52.4	13:05:56		52.4	52.4
53.3	13:05:57		53.3	53.3
54.0	13:05:58		54.0	54.0
53.4	13:05:59		53.4	53.4
54.4	13:06:00		54.4	54.4
56.0	13:06:01		56.0	56.0
56.0	13:06:02		56.0	56.0
56.0	13:06:03		56.0	56.0
55.1	13:06:04		55.1	55.1
54.1	13:06:05		54.1	54.1
53.2	13:06:06		53.2	53.2
53.9	13:06:07		53.9	53.9
55.5	13:06:08		55.5	55.5
55.6	13:06:09		55.6	55.6
54.9	13:06:10		54.9	54.9
54.1	13:06:11		54.1	54.1
53.1	13:06:12		53.1	53.1
52.1	13:06:13		52.1	52.1
51.1	13:06:14		51.1	51.1
50.2	13:06:15		50.2	50.2
50.0	13:06:16		50.0	50.0

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.8	13:14:01		61.8	61.8
61.8	13:14:02		61.8	61.8
61.9	13:14:03		61.9	61.9
61.9	13:14:04		61.9	61.9
61.9	13:14:05		61.9	61.9
61.6	13:14:06		61.6	61.6
61.5	13:14:07		61.5	61.5
61.3	13:14:08		61.3	61.3
61.0	13:14:09		61.0	61.0
61.0	13:14:10		61.0	61.0
61.0	13:14:11		61.0	61.0
61.1	13:14:12		61.1	61.1
61.2	13:14:13		61.2	61.2
61.4	13:14:14		61.4	61.4
61.4	13:14:15		61.4	61.4
61.3	13:14:16		61.3	61.3
61.5	13:14:17		61.5	61.5
61.8	13:14:18		61.8	61.8
61.9	13:14:19		61.9	61.9
61.9	13:14:20		61.9	61.9
62.1	13:14:21		62.1	62.1
62.3	13:14:22		62.3	62.3
62.2	13:14:23		62.2	62.2
62.2	13:14:24		62.2	62.2
62.3	13:14:25		62.3	62.3
62.9	13:14:26		62.9	62.9
62.7	13:14:27		62.7	62.7
62.5	13:14:28		62.5	62.5
62.4	13:14:29		62.4	62.4
62.4	13:14:30		62.4	62.4
62.4	13:14:31		62.4	62.4
62.4	13:14:32		62.4	62.4
62.4	13:14:33		62.4	62.4
62.5	13:14:34		62.5	62.5
64.4	13:14:35		64.4	64.4
66.2	13:14:36		66.2	66.2
64.7	13:14:37		64.7	64.7
63.5	13:14:38		63.5	63.5
63.1	13:14:39		63.1	63.1
62.7	13:14:40		62.7	62.7
62.4	13:14:41		62.4	62.4
62.9	13:14:42		62.9	62.9
62.7	13:14:43		62.7	62.7
62.0	13:14:44		62.0	62.0
62.0	13:14:45		62.0	62.0
62.0	13:14:46		62.0	62.0
61.9	13:14:47		61.9	61.9
61.8	13:14:48		61.8	61.8
61.9	13:14:49		61.9	61.9
61.9	13:14:50		61.9	61.9
61.6	13:14:51		61.6	61.6
61.2	13:14:52		61.2	61.2
61.2	13:14:53		61.2	61.2
60.9	13:14:54		60.9	60.9
60.8	13:14:55		60.8	60.8
60.8	13:14:56		60.8	60.8
60.8	13:14:57		60.8	60.8
60.7	13:14:58		60.7	60.7
60.8	13:14:59		60.8	60.8
60.6	13:15:00		60.6	60.6
60.4	13:15:01		60.4	60.4
60.7	13:15:02		60.7	60.7
60.8	13:15:03		60.8	60.8
60.8	13:15:04		60.8	60.8
61.3	13:15:05		61.3	61.3
61.5	13:15:06		61.5	61.5
61.8	13:15:07		61.8	61.8
62.0	13:15:08		62.0	62.0
62.1	13:15:09		62.1	62.1
61.8	13:15:10		61.8	61.8
61.4	13:15:11		61.4	61.4
61.6	13:15:12		61.6	61.6
61.6	13:15:13		61.6	61.6
61.6	13:15:14		61.6	61.6
61.7	13:15:15		61.7	61.7
61.7	13:15:16		61.7	61.7
61.8	13:15:17		61.8	61.8
61.7	13:15:18		61.7	61.7
61.9	13:15:19		61.9	61.9
62.2	13:15:20		62.2	62.2
62.3	13:15:21		62.3	62.3
61.9	13:15:22		61.9	61.9
61.6	13:15:23		61.6	61.6
61.7	13:15:24		61.7	61.7
61.8	13:15:25		61.8	61.8
61.9	13:15:26		61.9	61.9
62.2	13:15:27		62.2	62.2
62.3	13:15:28		62.3	62.3
62.4	13:15:29		62.4	62.4
62.5	13:15:30		62.5	62.5
62.4	13:15:31		62.4	62.4
62.2	13:15:32		62.2	62.2
62.1	13:15:33		62.1	62.1
62.2	13:15:34		62.2	62.2
62.1	13:15:35		62.1	62.1
62.1	13:15:36		62.1	62.1
62.2	13:15:37		62.2	62.2
62.1	13:15:38		62.1	62.1
61.9	13:15:39		61.9	61.9
61.9	13:15:40		61.9	61.9
61.7	13:15:41		61.7	61.7
61.7	13:15:42		61.7	61.7
62.1	13:15:43		62.1	62.1
61.9	13:15:44		61.9	61.9
61.7	13:15:45		61.7	61.7
62.0	13:15:46		62.0	62.0
62.1	13:15:47		62.1	62.1
62.1	13:15:48		62.1	62.1
62.2	13:15:49		62.2	62.2
62.1	13:15:50		62.1	62.1
62.3	13:15:51		62.3	62.3
62.7	13:15:52		62.7	62.7
62.8	13:15:53		62.8	62.8
62.6	13:15:54		62.6	62.6
62.4	13:15:55		62.4	62.4
62.2	13:15:56		62.2	62.2
62.1	13:15:57		62.1	62.1
62.2	13:15:58		62.2	62.2
62.2	13:15:59		62.2	62.2
61.7	13:16:00		61.7	61.7
61.7	13:16:01		61.7	61.7
61.6	13:16:02		61.6	61.6
61.6	13:16:03		61.6	61.6
61.7	13:16:04		61.7	61.7
61.9	13:16:05		61.9	61.9
62.2	13:16:06		62.2	62.2
62.4	13:16:07		62.4	62.4
62.2	13:16:08		62.2	62.2
61.9	13:16:09		61.9	61.9
62.0	13:16:10		62.0	62.0
62.3	13:16:11		62.3	62.3
62.5	13:16:12		62.5	62.5
62.5	13:16:13		62.5	62.5
62.1	13:16:14		62.1	62.1
61.7	13:16:15		61.7	61.7
61.7	13:16:16		61.7	61.7
62.2	13:16:17		62.2	62.2
61.9	13:16:18		61.9	61.9
61.8	13:16:19		61.8	61.8
61.8	13:16:20		61.8	61.8
61.8	13:16:21		61.8	61.8
61.9	13:16:22		61.9	61.9
61.9	13:16:23		61.9	61.9
61.6	13:16:24		61.6	61.6
61.5	13:16:25		61.5	61.5
61.1	13:16:26		61.1	61.1
61.0	13:16:27		61.0	61.0
60.7	13:16:28		60.7	60.7
60.7	13:16:29		60.7	60.7
60.5	13:16:30		60.5	60.5
60.3	13:16:31		60.3	60.3
60.2	13:16:32		60.2	60.2
60.3	13:16:33		60.3	60.3
60.5	13:16:34		60.5	60.5
60.5	13:16:35		60.5	60.5
60.4	13:16:36		60.4	60.4
60.3	13:16:37		60.3	60.3
60.6	13:16:38		60.6	60.6
61.2	13:16:39		61.2	61.2
61.8	13:16:40		61.8	61.8
61.7	13:16:41		61.7	61.7
61.4	13:16:42		61.4	61.4

Site 1 - Northwest of Project Site on Wall at IHOP

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
65.7	12:58:33		65.7	65.7
67.0	12:58:34		67.0	67.0
67.3	12:58:35		67.3	67.3
66.6	12:58:36		66.6	66.6
65.9	12:58:37		65.9	65.9
65.3	12:58:38		65.3	65.3
64.8	12:58:39		64.8	64.8
64.3	12:58:40		64.3	64.3
63.8	12:58:41		63.8	63.8
63.2	12:58:42		63.2	63.2
62.6	12:58:43		62.6	62.6
62.3	12:58:44		62.3	62.3
61.7	12:58:45		61.7	61.7
61.7	12:58:46		61.7	61.7
62.3	12:58:47		62.3	62.3
62.8	12:58:48		62.8	62.8
62.8	12:58:49		62.8	62.8
62.1	12:58:50		62.1	62.1
61.9	12:58:51		61.9	61.9
61.6	12:58:52		61.6	61.6
61.3	12:58:53		61.3	61.3
61.2	12:58:54		61.2	61.2
61.6	12:58:55		61.6	61.6
62.6	12:58:56		62.6	62.6
63.1	12:58:57		63.1	63.1
62.8	12:58:58		62.8	62.8
61.8	12:58:59		61.8	61.8
61.9	12:59:00		61.9	61.9
61.7	12:59:01		61.7	61.7
61.5	12:59:02		61.5	61.5
60.4	12:59:03		60.4	60.4
59.5	12:59:04		59.5	59.5
59.1	12:59:05		59.1	59.1
59.3	12:59:06		59.3	59.3
59.2	12:59:07		59.2	59.2
60.0	12:59:08		60.0	60.0
60.3	12:59:09		60.3	60.3
60.0	12:59:10		60.0	60.0
58.9	12:59:11		58.9	58.9
58.1	12:59:12		58.1	58.1
57.6	12:59:13		57.6	57.6
57.3	12:59:14		57.3	57.3
57.1	12:59:15		57.1	57.1
56.7	12:59:16		56.7	56.7
56.0	12:59:17		56.0	56.0
55.8	12:59:18		55.8	55.8
55.2	12:59:19		55.2	55.2
55.0	12:59:20		55.0	55.0
54.7	12:59:21		54.7	54.7
54.1	12:59:22		54.1	54.1
53.5	12:59:23		53.5	53.5
53.7	12:59:24		53.7	53.7
54.0	12:59:25		54.0	54.0
54.4	12:59:26		54.4	54.4
54.8	12:59:27		54.8	54.8
54.4	12:59:28		54.4	54.4
53.7	12:59:29		53.7	53.7
53.5	12:59:30		53.5	53.5
53.7	12:59:31		53.7	53.7
53.4	12:59:32		53.4	53.4
53.1	12:59:33		53.1	53.1
52.9	12:59:34		52.9	52.9
53.3	12:59:35		53.3	53.3
53.2	12:59:36		53.2	53.2
53.5	12:59:37		53.5	53.5
53.3	12:59:38		53.3	53.3
53.6	12:59:39		53.6	53.6
56.3	12:59:40		56.3	56.3
57.6	12:59:41		57.6	57.6
57.2	12:59:42	62.8	57.2	57.2
56.3	12:59:43	62.8	56.3	56.3
55.5	12:59:44	62.8	55.5	55.5
55.2	12:59:45	62.8	55.2	55.2
54.9	12:59:46	62.8	54.9	54.9
55.9	12:59:47	62.8	55.9	55.9
57.0	12:59:48	62.8	57.0	57.0
56.6	12:59:49	62.8	56.6	56.6
56.7	12:59:50	62.8	56.7	56.7
56.3	12:59:51	62.8	56.3	56.3
55.4	12:59:52	62.8	55.4	55.4
56.0	12:59:53	62.8	56.0	56.0
56.6	12:59:54	62.8	56.6	56.6
56.3	12:59:55	62.8	56.3	56.3
56.1	12:59:56	62.8	56.1	56.1
55.2	12:59:57	62.8	55.2	55.2
54.7	12:59:58	62.8	54.7	54.7
54.4	12:59:59	62.8	54.4	54.4
53.9	13:00:00	62.8	53.9	53.9
53.6	13:00:01	62.8	53.6	53.6
53.7	13:00:02	62.8	53.7	53.7
54.1	13:00:03	62.8	54.1	54.1
53.5	13:00:04	62.8	53.5	53.5
53.7	13:00:05	62.8	53.7	53.7
55.0	13:00:06	62.8	55.0	55.0
55.3	13:00:07	62.8	55.3	55.3
55.4	13:00:08	62.8	55.4	55.4
55.1	13:00:09	62.8	55.1	55.1
54.8	13:00:10	62.8	54.8	54.8
54.6	13:00:11	62.8	54.6	54.6
54.7	13:00:12	62.8	54.7	54.7
55.0	13:00:13	62.8	55.0	55.0
55.9	13:00:14	62.8	55.9	55.9
55.6	13:00:15	62.8	55.6	55.6
55.1	13:00:16	62.8	55.1	55.1
54.9	13:00:17	62.8	54.9	54.9
54.8	13:00:18	62.8	54.8	54.8
54.4	13:00:19	62.8	54.4	54.4
53.9	13:00:20	62.8	53.9	53.9
53.8	13:00:21	62.8	53.8	53.8
54.3	13:00:22	62.8	54.3	54.3
54.2	13:00:23	62.8	54.2	54.2
54.1	13:00:24	62.8	54.1	54.1
54.2	13:00:25	62.8	54.2	54.2
54.6	13:00:26	62.8	54.6	54.6
54.9	13:00:27	62.8	54.9	54.9
55.5	13:00:28	62.8	55.5	55.5
55.8	13:00:29	62.8	55.8	55.8
57.3	13:00:30	62.8	57.3	57.3
59.4	13:00:31	62.8	59.4	59.4
61.2	13:00:32	62.8	61.2	61.2
61.5	13:00:33	62.8	61.5	61.5
61.5	13:00:34	62.8	61.5	61.5
62.9	13:00:35	62.8	62.9	62.9
63.7	13:00:36	62.8	63.7	63.7
63.6	13:00:37	62.8	63.6	63.6
62.8	13:00:38	62.8	62.8	62.8
62.8	13:00:39	62.8	62.8	62.8
62.5	13:00:40	62.8	62.5	62.5
62.7	13:00:41	62.8	62.7	62.7
62.3	13:00:42	62.8	62.3	62.3
63.5	13:00:43	62.8	63.5	63.5
64.3	13:00:44	62.8	64.3	64.3
64.4	13:00:45	62.8	64.4	64.4
64.9	13:00:46	62.8	64.9	64.9
64.9	13:00:47	62.8	64.9	64.9
64.9	13:00:48	62.8	64.9	64.9
65.4	13:00:49	62.8	65.4	65.4
65.2	13:00:50	62.8	65.2	65.2
65.2	13:00:51	62.8	65.2	65.2
64.5	13:00:52	62.8	64.5	64.5
64.4	13:00:53	62.8	64.4	64.4
64.6	13:00:54	62.8	64.6	64.6
65.0	13:00:55	62.8	65.0	65.0
64.8	13:00:56	62.8	64.8	64.8
64.5	13:00:57	62.7	64.5	64.5
64.3	13:00:58	62.7	64.3	64.3
64.4	13:00:59	62.7	64.4	64.4
64.0	13:01:00	62.7	64.0	64.0
63.8	13:01:01	62.7	63.8	63.8
63.6	13:01:02	62.7	63.6	63.6
63.5	13:01:03	62.7	63.5	63.5
63.8	13:01:04	62.7	63.8	63.8
64.3	13:01:05	62.7	64.3	64.3
64.8	13:01:06	62.7	64.8	64.8
64.8	13:01:07	62.7	64.8	64.8
63.8	13:01:08	62.7	63.8	63.8
62.8	13:01:09	62.6	62.8	62.8
62.0	13:01:10	62.6	62.0	62.0
61.6	13:01:11	62.5	61.6	61.6
60.7	13:01:12	62.5	60.7	60.7
59.7	13:01:13	62.5	59.7	59.7
58.4	13:01:14	62.4	58.4	58.4

Site 2 - West of Project Site on Palm Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
50.7	13:06:17		50.7	50.7
50.9	13:06:18		50.9	50.9
50.2	13:06:19		50.2	50.2
50.3	13:06:20		50.3	50.3
51.3	13:06:21		51.3	51.3
51.6	13:06:22		51.6	51.6
52.4	13:06:23		52.4	52.4
52.8	13:06:24		52.8	52.8
54.1	13:06:25		54.1	54.1
55.6	13:06:26		55.6	55.6
55.2	13:06:27		55.2	55.2
55.7	13:06:28		55.7	55.7
55.3	13:06:29		55.3	55.3
55.4	13:06:30		55.4	55.4
55.0	13:06:31		55.0	55.0
55.4	13:06:32		55.4	55.4
55.4	13:06:33		55.4	55.4
54.8	13:06:34		54.8	54.8
54.2	13:06:35		54.2	54.2
54.3	13:06:36		54.3	54.3
54.7	13:06:37		54.7	54.7
55.5	13:06:38		55.5	55.5
55.0	13:06:39		55.0	55.0
55.0	13:06:40		55.0	55.0
56.2	13:06:41		56.2	56.2
56.8	13:06:42		56.8	56.8
56.4	13:06:43		56.4	56.4
56.8	13:06:44		56.8	56.8
57.6	13:06:45		57.6	57.6
58.9	13:06:46		58.9	58.9
61.1	13:06:47		61.1	61.1
63.2	13:06:48		63.2	63.2
65.1	13:06:49		65.1	65.1
64.8	13:06:50		64.8	64.8
64.2	13:06:51		64.2	64.2
65.1	13:06:52		65.1	65.1
66.0	13:06:53		66.0	66.0
65.6	13:06:54		65.6	65.6
65.2	13:06:55		65.2	65.2
64.8	13:06:56		64.8	64.8
64.8	13:06:57		64.8	64.8
64.5	13:06:58		64.5	64.5
64.2	13:06:59		64.2	64.2
64.7	13:07:00		64.7	64.7
64.6	13:07:01		64.6	64.6
64.1	13:07:02		64.1	64.1
63.6	13:07:03		63.6	63.6
63.0	13:07:04		63.0	63.0
62.6	13:07:05		62.6	62.6
62.3	13:07:06		62.3	62.3
62.2	13:07:07		62.2	62.2
62.2	13:07:08		62.2	62.2
62.3	13:07:09		62.3	62.3
62.1	13:07:10		62.1	62.1
62.3	13:07:11		62.3	62.3
62.4	13:07:12		62.4	62.4
61.6	13:07:13		61.6	61.6
60.3	13:07:14		60.3	60.3
59.7	13:07:15		59.7	59.7
60.0	13:07:16		60.0	60.0
59.9	13:07:17		59.9	59.9
59.1	13:07:18		59.1	59.1
57.8	13:07:19		57.8	57.8
56.8	13:07:20		56.8	56.8
56.1	13:07:21		56.1	56.1
57.3	13:07:22		57.3	57.3
58.7	13:07:23		58.7	58.7
60.0	13:07:24		60.0	60.0
63.4	13:07:25		63.4	63.4
64.3	13:07:26	64.7	64.3	64.3
63.0	13:07:27	64.7	63.0	63.0
60.9	13:07:28	64.7	60.9	60.9
58.8	13:07:29	64.7	58.8	58.8
57.0	13:07:30	64.7	57.0	57.0
56.2	13:07:31	64.7	56.2	56.2
57.1	13:07:32	64.7	57.1	57.1
58.5	13:07:33	64.7	58.5	58.5
59.9	13:07:34	64.7	59.9	59.9
60.9	13:07:35	64.7	60.9	60.9
60.4	13:07:36	64.7	60.4	60.4
59.1	13:07:37	64.7	59.1	59.1
57.6	13:07:38	64.7	57.6	57.6
56.7	13:07:39	64.7	56.7	56.7
56.7	13:07:40	64.7	56.7	56.7
57.6	13:07:41	64.7	57.6	57.6
58.7	13:07:42	64.7	58.7	58.7
58.8	13:07:43	64.7	58.8	58.8
59.1	13:07:44	64.7	59.1	59.1
58.8	13:07:45	64.7	58.8	58.8
58.3	13:07:46	64.7	58.3	58.3
59.4	13:07:47	64.7	59.4	59.4
60.3	13:07:48	64.7	60.3	60.3
61.7	13:07:49	64.7	61.7	61.7
62.9	13:07:50	64.7	62.9	62.9
62.2	13:07:51	64.7	62.2	62.2
60.9	13:07:52	64.7	60.9	60.9
58.7	13:07:53	64.7	58.7	58.7
57.7	13:07:54	64.7	57.7	57.7
65.8	13:07:55	64.7	65.8	65.8
75.9	13:07:56	64.7	75.9	75.9
78.8	13:07:57	64.7	78.8	78.8
76.5	13:07:58	64.7	76.5	76.5
73.4	13:07:59	64.7	73.4	73.4
70.4	13:08:00	64.7	70.4	70.4
70.2	13:08:01	64.7	70.2	70.2
81.4	13:08:02	64.6	81.4	81.4
87.5	13:08:03	64.6	87.5	87.5
85.0	13:08:04	64.6	85.0	85.0
80.9	13:08:05	64.6	80.9	80.9
76.7	13:08:06	64.6	76.7	76.7
72.5	13:08:07	64.6	72.5	72.5
68.3	13:08:08	64.6	68.3	68.3
65.1	13:08:09	64.6	65.1	65.1
63.3	13:08:10	64.6	63.3	63.3
60.1	13:08:11	64.6	60.1	60.1
57.0	13:08:12	64.6	57.0	57.0
55.1	13:08:13	64.6	55.1	55.1
54.4	13:08:14	64.6	54.4	54.4
54.6	13:08:15	64.6	54.6	54.6
54.6	13:08:16	64.6	54.6	54.6
55.5	13:08:17	64.6	55.5	55.5
55.5	13:08:18	64.6	55.5	55.5
55.4	13:08:19	64.6	55.4	55.4
54.8	13:08:20	64.6	54.8	54.8
54.6	13:08:21	64.6	54.6	54.6
54.5	13:08:22	64.6	54.5	54.5
53.1	13:08:23	64.6	53.1	53.1
52.9	13:08:24	64.6	52.9	52.9
52.3	13:08:25	64.6	52.3	52.3
52.1	13:08:26	64.6	52.1	52.1
52.1	13:08:27	64.6	52.1	52.1
53.1	13:08:28	64.5	53.1	53.1
55.5	13:08:29	64.5	55.5	55.5
56.1	13:08:30	64.5	56.1	56.1
55.1	13:08:31	64.5	55.1	55.1
54.1	13:08:32	64.5	54.1	54.1
53.2	13:08:33	64.4	53.2	53.2
53.7	13:08:34	64.4	53.7	53.7
56.2	13:08:35	64.4	56.2	56.2
58.1	13:08:36	64.3	58.1	58.1
59.6	13:08:37	64.2	59.6	59.6
58.5	13:08:38	64.2	58.5	58.5
57.4	13:08:39	64.2	57.4	57.4
55.9	13:08:40	64.2	55.9	55.9
54.9	13:08:41	64.2	54.9	54.9
53.7	13:08:42	64.2	53.7	53.7
53.0	13:08:43	64.2	53.0	53.0
52.6	13:08:44	64.2	52.6	52.6
52.3	13:08:45	64.2	52.3	52.3
52.3	13:08:46	64.2	52.3	52.3
53.2	13:08:47	64.2	53.2	53.2
55.1	13:08:48	64.2	55.1	55.1
55.7	13:08:49	64.2	55.7	55.7
54.7	13:08:50	64.2	54.7	54.7
53.5	13:08:51	64.2	53.5	53.5
52.3	13:08:52	64.2	52.3	52.3
51.6	13:08:53	64.2	51.6	51.6
51.5	13:08:54	64.2	51.5	51.5
51.9	13:08:55	64.2	51.9	51.9
52.0	13:08:56	64.2	52.0	52.0
51.9	13:08:57	64.2	51.9	51.9
52.0	13:08:58	64.2	52.0	52.0

Site 3 - Near Center of Parking Lot on Project Site

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.0	13:16:43		61.0	61.0
60.9	13:16:44		60.9	60.9
61.0	13:16:45		61.0	61.0
61.1	13:16:46		61.1	61.1
61.0	13:16:47		61.0	61.0
61.1	13:16:48		61.1	61.1
61.5	13:16:49		61.5	61.5
61.7	13:16:50		61.7	61.7
61.7	13:16:51		61.7	61.7
61.7	13:16:52		61.7	61.7
61.5	13:16:53		61.5	61.5
61.5	13:16:54		61.5	61.5
61.6	13:16:55		61.6	61.6
61.5	13:16:56		61.5	61.5
61.4	13:16:57		61.4	61.4
61.5	13:16:58		61.5	61.5
61.4	13:16:59		61.4	61.4
61.4	13:17:00		61.4	61.4
61.1	13:17:01		61.1	61.1
61.0	13:17:02		61.0	61.0
61.1	13:17:03		61.1	61.1
61.1	13:17:04		61.1	61.1
61.1	13:17:05		61.1	61.1
61.2	13:17:06		61.2	61.2
61.4	13:17:07		61.4	61.4
61.5	13:17:08		61.5	61.5
61.6	13:17:09		61.6	61.6
61.8	13:17:10		61.8	61.8
62.1	13:17:11		62.1	62.1
62.6	13:17:12		62.6	62.6
62.6	13:17:13		62.6	62.6
62.1	13:17:14		62.1	62.1
61.8	13:17:15		61.8	61.8
61.7	13:17:16		61.7	61.7
61.4	13:17:17		61.4	61.4
61.3	13:17:18		61.3	61.3
61.2	13:17:19		61.2	61.2
61.2	13:17:20		61.2	61.2
61.3	13:17:21		61.3	61.3
61.5	13:17:22		61.5	61.5
61.4	13:17:23		61.4	61.4
61.2	13:17:24		61.2	61.2
61.2	13:17:25		61.2	61.2
61.2	13:17:26		61.2	61.2
61.1	13:17:27		61.1	61.1
61.1	13:17:28		61.1	61.1
61.1	13:17:29		61.1	61.1
61.4	13:17:30		61.4	61.4
61.5	13:17:31		61.5	61.5
62.0	13:17:32		62.0	62.0
61.9	13:17:33		61.9	61.9
61.8	13:17:34		61.8	61.8
61.8	13:17:35		61.8	61.8
62.1	13:17:36		62.1	62.1
62.1	13:17:37		62.1	62.1
62.0	13:17:38		62.0	62.0
61.8	13:17:39		61.8	61.8
61.9	13:17:40		61.9	61.9
61.8	13:17:41		61.8	61.8
61.4	13:17:42		61.4	61.4
60.9	13:17:43		60.9	60.9
60.6	13:17:44		60.6	60.6
60.8	13:17:45		60.8	60.8
61.2	13:17:46		61.2	61.2
61.3	13:17:47		61.3	61.3
61.4	13:17:48		61.4	61.4
61.5	13:17:49		61.5	61.5
61.6	13:17:50		61.6	61.6
61.5	13:17:51		61.5	61.5
61.5	13:17:52	61.7	61.5	61.5
61.6	13:17:53	61.7	61.6	61.6
61.7	13:17:54	61.7	61.7	61.7
61.9	13:17:55	61.7	61.9	61.9
61.9	13:17:56	61.7	61.9	61.9
62.0	13:17:57	61.7	62.0	62.0
61.9	13:17:58	61.7	61.9	61.9
61.9	13:17:59	61.7	61.9	61.9
61.9	13:18:00	61.7	61.9	61.9
62.0	13:18:01	61.6	62.0	62.0
61.8	13:18:02	61.6	61.8	61.8
61.6	13:18:03	61.6	61.6	61.6
61.4	13:18:04	61.6	61.4	61.4
61.2	13:18:05	61.6	61.2	61.2
61.0	13:18:06	61.6	61.0	61.0
60.7	13:18:07	61.6	60.7	60.7
60.7	13:18:08	61.6	60.7	60.7
60.7	13:18:09	61.6	60.7	60.7
60.7	13:18:10	61.6	60.7	60.7
60.7	13:18:11	61.6	60.7	60.7
60.7	13:18:12	61.6	60.7	60.7
60.8	13:18:13	61.6	60.8	60.8
60.8	13:18:14	61.6	60.8	60.8
60.9	13:18:15	61.6	60.9	60.9
61.0	13:18:16	61.6	61.0	61.0
61.1	13:18:17	61.6	61.1	61.1
61.0	13:18:18	61.6	61.0	61.0
60.8	13:18:19	61.6	60.8	60.8
60.6	13:18:20	61.6	60.6	60.6
60.5	13:18:21	61.6	60.5	60.5
60.4	13:18:22	61.6	60.4	60.4
60.5	13:18:23	61.6	60.5	60.5
60.5	13:18:24	61.6	60.5	60.5
60.6	13:18:25	61.6	60.6	60.6
60.9	13:18:26	61.6	60.9	60.9
60.8	13:18:27	61.6	60.8	60.8
60.7	13:18:28	61.6	60.7	60.7
60.6	13:18:29	61.6	60.6	60.6
60.7	13:18:30	61.6	60.7	60.7
60.6	13:18:31	61.6	60.6	60.6
60.6	13:18:32	61.6	60.6	60.6
60.7	13:18:33	61.6	60.7	60.7
60.7	13:18:34	61.6	60.7	60.7
60.6	13:18:35	61.6	60.6	60.6
60.7	13:18:36	61.6	60.7	60.7
60.7	13:18:37	61.6	60.7	60.7
60.6	13:18:38	61.6	60.6	60.6
60.7	13:18:39	61.6	60.7	60.7
60.8	13:18:40	61.6	60.8	60.8
60.8	13:18:41	61.6	60.8	60.8
60.8	13:18:42	61.6	60.8	60.8
61.0	13:18:43	61.6	61.0	61.0
61.0	13:18:44	61.6	61.0	61.0
60.9	13:18:45	61.6	60.9	60.9
61.0	13:18:46	61.6	61.0	61.0
61.1	13:18:47	61.6	61.1	61.1
61.1	13:18:48	61.6	61.1	61.1
60.8	13:18:49	61.6	60.8	60.8
60.7	13:18:50	61.6	60.7	60.7
60.5	13:18:51	61.6	60.5	60.5
60.2	13:18:52	61.5	60.2	60.2
60.0	13:18:53	61.5	60.0	60.0
60.4	13:18:54	61.5	60.4	60.4
60.6	13:18:55	61.5	60.6	60.6
60.4	13:18:56	61.5	60.4	60.4
60.2	13:18:57	61.5	60.2	60.2
59.9	13:18:58	61.5	59.9	59.9
60.1	13:18:59	61.5	60.1	60.1
60.5	13:19:00	61.5	60.5	60.5
60.6	13:19:01	61.5	60.6	60.6
60.7	13:19:02	61.5	60.7	60.7
60.7	13:19:03	61.5	60.7	60.7
60.8	13:19:04	61.5	60.8	60.8
61.3	13:19:05	61.5	61.3	61.3
61.6	13:19:06	61.5	61.6	61.6
62.1	13:19:07	61.5	62.1	62.1
62.6	13:19:08	61.5	62.6	62.6
62.8	13:19:09	61.5	62.8	62.8
63.5	13:19:10	61.5	63.5	63.5
64.2	13:19:11	61.5	64.2	64.2
64.3	13:19:12	61.5	64.3	64.3
64.2	13:19:13	61.5	64.2	64.2
63.7	13:19:14	61.5	63.7	63.7
63.2	13:19:15	61.5	63.2	63.2
64.2	13:19:16	61.5	64.2	64.2
66.3	13:19:17	61.5	66.3	66.3
66.2	13:19:18	61.5	66.2	66.2
65.7	13:19:19	61.5	65.7	65.7
66.1	13:19:20	61.5	66.1	66.1
66.3	13:19:21	61.5	66.3	66.3
66.0	13:19:22	61.5	66.0	66.0
66.5	13:19:23	61.5	66.5	66.5
66.0	13:19:24	61.5	66.0	66.0

APPENDIX C

RCNM Model Construction Noise Calculations

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Demolition-Rough Grading

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to Northwest	Residential	64.1	64.1	57.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	270	5
Dump Truck	No	40		76.5	320	5
Dozer	No	40		81.7	370	5
Front End Loader	No	40		79.1	420	5
Scraper	No	40		83.6	470	5
Scraper	No	40		83.6	520	5
Tractor	No	40	84		570	5
Front End Loader	No	40		79.1	620	5
Backhoe	No	40		77.6	670	5

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Excavator	61.1	57.1	N/A	N/A	N/A	N/A
Dump Truck	55.3	51.3	N/A	N/A	N/A	N/A
Dozer	59.3	55.3	N/A	N/A	N/A	N/A
Front End Loader	55.6	51.6	N/A	N/A	N/A	N/A
Scraper	59.1	55.1	N/A	N/A	N/A	N/A
Scraper	58.2	54.3	N/A	N/A	N/A	N/A
Tractor	57.9	53.9	N/A	N/A	N/A	N/A
Front End Loader	52.2	48.3	N/A	N/A	N/A	N/A
Backhoe	50.0	46.0	N/A	N/A	N/A	N/A
Total	**61**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Demolition-Rough Grading

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to West	Residential	64	64	55.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	270	5
Dump Truck	No	40		76.5	320	5
Dozer	No	40		81.7	370	5
Front End Loader	No	40		79.1	420	5
Scraper	No	40		83.6	470	5
Scraper	No	40		83.6	520	5
Tractor	No	40	84		570	5
Front End Loader	No	40		79.1	620	5
Backhoe	No	40		77.6	670	5

		Calculated (dBA)		Results			
				Noise Limits (dBA)			
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Excavator		61.1	57.1	N/A	N/A	N/A	N/A
Dump Truck		55.3	51.3	N/A	N/A	N/A	N/A
Dozer		59.3	55.3	N/A	N/A	N/A	N/A
Front End Loader		55.6	51.6	N/A	N/A	N/A	N/A
Scraper		59.1	55.1	N/A	N/A	N/A	N/A
Scraper		58.2	54.3	N/A	N/A	N/A	N/A
Tractor		57.9	53.9	N/A	N/A	N/A	N/A
Front End Loader		52.2	48.3	N/A	N/A	N/A	N/A
Backhoe		50.0	46.0	N/A	N/A	N/A	N/A
	Total	**61**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Grading-Foundation

				---- Receptor #1 ----			
		Baselines (dBA)					
Description	Land Use	Daytime	Evening	Night			
Nearest Homes to Northwest	Residential	64.1	64.1	57.9			

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	270	5
Gradall	No	40		83.4	320	5
Gradall	No	40		83.4	370	5
Dozer	No	40		81.7	420	5
Tractor	No	40	84		470	5
Front End Loader	No	40		79.1	520	5
Backhoe	No	40		77.6	570	5

				Results			
		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Crane		60.9	52.9	N/A	N/A	N/A	N/A
Gradall		62.3	58.3	N/A	N/A	N/A	N/A
Gradall		61.0	57.0	N/A	N/A	N/A	N/A
Dozer		58.2	54.2	N/A	N/A	N/A	N/A
Tractor		59.5	55.6	N/A	N/A	N/A	N/A
Front End Loader		53.8	49.8	N/A	N/A	N/A	N/A
Backhoe		51.4	47.4	N/A	N/A	N/A	N/A
	Total	**62**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Grading-Foundation

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to West	Residential	64	64	55.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	270	5
Gradall	No	40		83.4	320	5
Gradall	No	40		83.4	370	5
Dozer	No	40		81.7	420	5
Tractor	No	40	84		470	5
Front End Loader	No	40		79.1	520	5
Backhoe	No	40		77.6	570	5

Equipment	Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Leq	Evening Lmax	Leq
Crane	60.9	52.9	N/A	N/A	N/A	N/A
Gradall	62.3	58.3	N/A	N/A	N/A	N/A
Gradall	61.0	57.0	N/A	N/A	N/A	N/A
Dozer	58.2	54.2	N/A	N/A	N/A	N/A
Tractor	59.5	55.6	N/A	N/A	N/A	N/A
Front End Loader	53.8	49.8	N/A	N/A	N/A	N/A
Backhoe	51.4	47.4	N/A	N/A	N/A	N/A
Total	**62**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Building Construction

				---- Receptor #1 ----
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to Northwest	Residential	64.1	64.1	57.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	295	5
Gradall	No	40		83.4	345	5
Gradall	No	40		83.4	395	5
Gradall	No	40		83.4	445	5
Concrete Pump Truck	No	20		81.4	495	5
Concrete Pump Truck	No	20		81.4	545	5
Man Lift	No	20		74.7	595	5
Man Lift	No	20		74.7	645	5

		Calculated (dBA)		Results	Noise Limits (dBA)		
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Crane		60.1	52.2	N/A	N/A	N/A	N/A
Gradall		61.6	57.6	N/A	N/A	N/A	N/A
Gradall		60.4	56.5	N/A	N/A	N/A	N/A
Gradall		59.4	55.4	N/A	N/A	N/A	N/A
Concrete Pump Truck		56.5	49.5	N/A	N/A	N/A	N/A
Concrete Pump Truck		55.7	48.7	N/A	N/A	N/A	N/A
Man Lift		48.2	41.2	N/A	N/A	N/A	N/A
Man Lift		47.5	40.5	N/A	N/A	N/A	N/A
	Total	**62**	**62**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Building Construction

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to West	Residential	64	64	55.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	290	5
Gradall	No	40		83.4	340	5
Gradall	No	40		83.4	390	5
Gradall	No	40		83.4	440	5
Concrete Pump Truck	No	20		81.4	490	5
Concrete Pump Truck	No	20		81.4	540	5
Man Lift	No	20		74.7	590	5
Man Lift	No	20		74.7	640	5

Equipment		Calculated (dBA) *Lmax	Leq	Results Day Lmax	Noise Limits (dBA) Day Leq	Evening Lmax	Evening Leq
Crane		60.3	52.3	N/A	N/A	N/A	N/A
Gradall		61.7	57.8	N/A	N/A	N/A	N/A
Gradall		60.6	56.6	N/A	N/A	N/A	N/A
Gradall		59.5	55.5	N/A	N/A	N/A	N/A
Concrete Pump Truck		56.6	49.6	N/A	N/A	N/A	N/A
Concrete Pump Truck		55.7	48.7	N/A	N/A	N/A	N/A
Man Lift		48.3	41.3	N/A	N/A	N/A	N/A
Man Lift		47.6	40.6	N/A	N/A	N/A	N/A
	Total	**62**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to Northwest	Residential	64.1	64.1	57.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	270	5

Equipment		Results Calculated (dBA) *Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Compressor (air)		58.0	54.0	N/A	N/A	N/A	N/A
	Total	**58**	**54**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to West	Residential	64	64	55.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	270	5

Equipment		Results Calculated (dBA) *Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Compressor (air)		58.0	54.0	N/A	N/A	N/A	N/A
	Total	**58**	**54**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Paving-Site Improvements

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Nearest Homes to Northwest	Residential	64.1	64.1	57.9

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Gradall	No	40		83.4	270	5
Gradall	No	40		83.4	320	5
Paver	No	50		77.2	370	5
Paver	No	50		77.2	420	5
Tractor	No	40	84		470	5

Equipment	Calculated (dBA) *Lmax	Leq	Results Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Gradall	63.8	59.8	N/A	N/A	N/A	N/A
Gradall	62.3	58.3	N/A	N/A	N/A	N/A
Paver	54.8	51.8	N/A	N/A	N/A	N/A
Paver	53.7	50.7	N/A	N/A	N/A	N/A
Tractor	59.5	55.6	N/A	N/A	N/A	N/A
Total	**64**	**64**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 12/24/2020
Case Description: The 650 PCH Project - Paving-Site Improvements

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Homes to West	Residential	63.6	63.6	55.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Gradall	No	40		83.4	270	5
Gradall	No	40		83.4	320	5
Paver	No	50		77.2	370	5
Paver	No	50		77.2	420	5
Tractor	No	40	84		470	5

		Calculated (dBA)		Results Noise Limits (dBA)			
				Day		Evening	
Equipment		***Lmax**	**Leq**	Lmax	Leq	Lmax	Leq
Gradall		64	60	N/A	N/A	N/A	N/A
Gradall		62	58	N/A	N/A	N/A	N/A
Paver		55	52	N/A	N/A	N/A	N/A
Paver		54	51	N/A	N/A	N/A	N/A
Tractor		60	56	N/A	N/A	N/A	N/A
	Total	**64**	**64**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

APPENDIX D

FHWA Model Roadway Noise Calculation Printouts

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 56620 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.07	-12.53	-1.20	59.70	57.17	56.31	52.22	59.73	60.23	70 dBA:	**71**	**76**
Medium Trucks	76.31	-10.55	-12.53	-1.20	52.03	32.21	30.81	30.50	37.15	37.41	65 dBA:	**152**	**165**
Heavy Trucks	81.16	-13.93	-12.53	-1.20	53.50	29.96	25.80	29.85	36.20	36.30	60 dBA:	**328**	**354**
				Total:	**61.19**	**57.19**	**56.32**	**52.27**	**59.77**	**60.27**	55 dBA:	**707**	**764**

Road Name: Pacific Coast Highway **Segment: North of Mariposa Avenue**

Average Daily Traffic: 60820 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.38	-12.53	-1.20	60.01	57.48	56.62	52.53	60.04	60.54	70 dBA:	**74**	**80**
Medium Trucks	76.31	-10.24	-12.53	-1.20	52.34	32.52	31.12	30.81	37.46	37.73	65 dBA:	**160**	**173**
Heavy Trucks	81.16	-13.62	-12.53	-1.20	53.81	30.27	26.11	30.16	36.51	36.61	60 dBA:	**344**	**372**
				Total:	**61.50**	**57.50**	**56.64**	**52.58**	**60.08**	**60.58**	55 dBA:	**742**	**801**

Road Name: Pacific Coast Highway **Segment: North of Palm Avenue**

Average Daily Traffic: 61700 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 200 FEET FROM CENTERLINE (Equiv. Lane Dist: 194.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.44	-8.96	-1.20	63.64	61.12	60.26	56.17	63.67	64.18	70 dBA:	**76**	**82**
Medium Trucks	76.31	-10.18	-8.96	-1.20	55.97	36.15	34.75	34.45	41.10	41.36	65 dBA:	**164**	**177**
Heavy Trucks	81.16	-13.55	-8.96	-1.20	57.45	33.91	29.74	33.79	40.14	40.25	60 dBA:	**354**	**382**
				Total:	**65.14**	**61.14**	**60.27**	**56.22**	**63.72**	**64.22**	55 dBA:	**762**	**823**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

Road Name: Pacific Coast Highway **Segment: North of Maple Avenue**

Average Daily Traffic: 62980 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 3 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.73 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.53	-10.48	-1.20	62.21	59.69	58.83	54.74	62.24	62.75	70 dBA:	**77**	**83**
Medium Trucks	76.31	-10.09	-10.48	-1.20	54.55	34.72	33.33	33.02	39.67	39.93	65 dBA:	**165**	**178**
Heavy Trucks	81.16	-13.47	-10.48	-1.20	56.02	32.48	28.32	32.37	38.71	38.82	60 dBA:	**355**	**384**
				Total:	**63.71**	**59.71**	**58.84**	**54.79**	**62.29**	**62.79**	55 dBA:	**765**	**826**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 11860 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.12	3.67	-1.20	67.46	65.34	64.03	58.02	66.44	67.06	70 dBA:	**20**	**22**
Medium Trucks	74.83	-17.36	3.67	-1.20	59.94	38.70	44.72	26.42	39.57	42.32	65 dBA:	**44**	**48**
Heavy Trucks	80.05	-21.31	3.67	-1.20	61.21	35.86	32.46	37.11	43.30	43.40	60 dBA:	**94**	**104**
				Total:	**68.97**	**65.36**	**64.08**	**58.06**	**66.47**	**67.10**	55 dBA:	**203**	**224**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 56990 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.10	-12.53	-1.20	59.73	57.20	56.34	52.25	59.76	60.26	70 dBA:	**71**	**77**
Medium Trucks	76.31	-10.53	-12.53	-1.20	52.06	32.23	30.84	30.53	37.18	37.44	65 dBA:	**153**	**165**
Heavy Trucks	81.16	-13.90	-12.53	-1.20	53.53	29.99	25.83	29.88	36.22	36.33	60 dBA:	**330**	**356**
				Total:	**61.22**	**57.22**	**56.35**	**52.30**	**59.80**	**60.30**	55 dBA:	**710**	**767**

Road Name: Pacific Coast Highway **Segment: North of Mariposa Avenue**

Average Daily Traffic: 61340 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.42	-12.53	-1.20	60.04	57.52	56.66	52.57	60.07	60.58	70 dBA:	**75**	**81**
Medium Trucks	76.31	-10.21	-12.53	-1.20	52.38	32.55	31.16	30.85	37.50	37.76	65 dBA:	**161**	**174**
Heavy Trucks	81.16	-13.58	-12.53	-1.20	53.85	30.31	26.15	30.20	36.54	36.65	60 dBA:	**346**	**374**
				Total:	**61.54**	**57.54**	**56.67**	**52.62**	**60.12**	**60.62**	55 dBA:	**746**	**805**

Road Name: Pacific Coast Highway **Segment: North of Palm Avenue**

Average Daily Traffic: 62940 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 200 FEET FROM CENTERLINE (Equiv. Lane Dist: 194.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.53	-8.96	-1.20	63.73	61.20	60.34	56.25	63.76	64.26	70 dBA:	**77**	**83**
Medium Trucks	76.31	-10.09	-8.96	-1.20	56.06	36.24	34.84	34.53	41.18	41.45	65 dBA:	**166**	**180**
Heavy Trucks	81.16	-13.47	-8.96	-1.20	57.53	34.00	29.83	33.88	40.23	40.33	60 dBA:	**359**	**387**
				Total:	**65.23**	**61.23**	**60.36**	**56.31**	**63.80**	**64.30**	55 dBA:	**773**	**834**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING WITH PROJECT CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

Road Name: Pacific Coast Highway **Segment: North of Maple Avenue**

Average Daily Traffic: 63780 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 3 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.73 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.59	-10.48	-1.20	62.27	59.74	58.88	54.79	62.30	62.80	70 dBA:	**77**	**83**
Medium Trucks	76.31	-10.04	-10.48	-1.20	54.60	34.78	33.38	33.07	39.72	39.99	65 dBA:	**166**	**180**
Heavy Trucks	81.16	-13.41	-10.48	-1.20	56.07	32.53	28.37	32.42	38.77	38.87	60 dBA:	**358**	**387**
				Total:	**63.76**	**59.77**	**58.90**	**54.84**	**62.34**	**62.84**	55 dBA:	**772**	**833**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 11940 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	-0.09	3.67	-1.20	67.49	65.37	64.06	58.05	66.47	67.09	70 dBA:	**20**	**23**
Medium Trucks	74.83	-17.33	3.67	-1.20	59.97	38.72	44.75	26.45	39.60	42.35	65 dBA:	**44**	**49**
Heavy Trucks	80.05	-21.28	3.67	-1.20	61.24	35.89	32.49	37.13	43.33	43.43	60 dBA:	**95**	**104**
				Total:	**69.00**	**65.39**	**64.11**	**58.08**	**66.50**	**67.13**	55 dBA:	**204**	**225**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2023 WITHOUT PROJECT CONDITIONS **Project: The 650 PCH Project**

Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 69420 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.95	-12.53	-1.20	60.58	58.06	57.19	53.10	60.61	61.12	70 dBA:	**81**	**87**
Medium Trucks	76.31	-9.67	-12.53	-1.20	52.91	33.09	31.69	31.38	38.04	38.30	65 dBA:	**175**	**188**
Heavy Trucks	81.16	-13.04	-12.53	-1.20	54.39	30.85	26.68	30.73	37.08	37.19	60 dBA:	**376**	**406**
				Total:	**62.08**	**58.08**	**57.21**	**53.16**	**60.66**	**61.16**	55 dBA:	**810**	**875**

Road Name: Pacific Coast Highway **Segment: North of Mariposa Avenue**

Average Daily Traffic: 72360 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.13	-12.53	-1.20	60.76	58.24	57.37	53.28	60.79	61.30	70 dBA:	**83**	**90**
Medium Trucks	76.31	-9.49	-12.53	-1.20	53.09	33.27	31.87	31.56	38.22	38.48	65 dBA:	**179**	**194**
Heavy Trucks	81.16	-12.86	-12.53	-1.20	54.57	31.03	26.86	30.91	37.26	37.37	60 dBA:	**387**	**417**
				Total:	**62.26**	**58.26**	**57.39**	**53.34**	**60.84**	**61.34**	55 dBA:	**833**	**899**

Road Name: Pacific Coast Highway **Segment: North of Palm Avenue**

Average Daily Traffic: 73730 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 200 FEET FROM CENTERLINE (Equiv. Lane Dist: 194.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.21	-8.96	-1.20	64.42	61.89	61.03	56.94	64.45	64.95	70 dBA:	**86**	**93**
Medium Trucks	76.31	-9.41	-8.96	-1.20	56.75	36.93	35.53	35.22	41.87	42.13	65 dBA:	**185**	**200**
Heavy Trucks	81.16	-12.78	-8.96	-1.20	58.22	34.68	30.52	34.57	40.92	41.02	60 dBA:	**398**	**430**
				Total:	**65.91**	**61.91**	**61.04**	**56.99**	**64.49**	**64.99**	55 dBA:	**858**	**927**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2023 WITHOUT PROJECT CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

Road Name: Pacific Coast Highway **Segment: North of Maple Avenue**

Average Daily Traffic: 74930 Vehicles | Vehicle Speed: 40 MPH | Vehicle Mix: 3 | Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.73 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.28	-10.48	-1.20	62.97	60.44	59.58	55.49	63.00	63.50	70 dBA:	**86**	**93**
Medium Trucks	76.31	-9.34	-10.48	-1.20	55.30	35.48	34.08	33.77	40.42	40.69	65 dBA:	**185**	**200**
Heavy Trucks	81.16	-12.71	-10.48	-1.20	56.77	33.23	29.07	33.12	39.47	39.57	60 dBA:	**399**	**431**
				Total:	**64.46**	**60.47**	**59.60**	**55.54**	**63.04**	**63.54**	55 dBA:	**859**	**928**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 12240 Vehicles | Vehicle Speed: 35 MPH | Vehicle Mix: 1 | Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.02	3.67	-1.20	67.60	65.48	64.17	58.15	66.57	67.20	70 dBA:	**21**	**23**
Medium Trucks	74.83	-17.22	3.67	-1.20	60.08	38.83	44.85	26.56	39.70	42.46	65 dBA:	**45**	**49**
Heavy Trucks	80.05	-21.18	3.67	-1.20	61.34	35.99	32.59	37.24	43.44	43.54	60 dBA:	**96**	**106**
				Total:	**69.11**	**65.49**	**64.22**	**58.19**	**66.60**	**67.23**	55 dBA:	**208**	**229**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2023 WITH PROJECT CONDITIONS **Project: The 650 PCH Project**

Site Conditions: Soft

	Vehicle Mix 1 (Secondary)				Vehicle Mix 2 (Major Arterial)				Vehicle Mix 3 (PCH SR-1)			
Vehicle Type	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evenin	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	67.09%	13.75%	16.08%	96.92%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	1.25%	0.23%	0.63%	2.11%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	0.53%	0.05%	0.39%	0.97%

Road Name: Pacific Coast Highway **Segment: North of Grand Avenue**

Average Daily Traffic: 69790 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	6.98	-12.53	-1.20	60.61	58.08	57.22	53.13	60.64	61.14	70 dBA:	**81**	**88**
Medium Trucks	76.31	-9.65	-12.53	-1.20	52.94	33.11	31.72	31.41	38.06	38.32	65 dBA:	**175**	**189**
Heavy Trucks	81.16	-13.02	-12.53	-1.20	54.41	30.87	26.71	30.76	37.10	37.21	60 dBA:	**377**	**407**
				Total:	**62.10**	**58.10**	**57.23**	**53.18**	**60.68**	**61.18**	55 dBA:	**813**	**878**

Road Name: Pacific Coast Highway **Segment: North of Mariposa Avenue**

Average Daily Traffic: 72890 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 340 FEET FROM CENTERLINE (Equiv. Lane Dist: 336.87 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.16	-12.53	-1.20	60.79	58.27	57.41	53.32	60.82	61.33	70 dBA:	**84**	**90**
Medium Trucks	76.31	-9.46	-12.53	-1.20	53.12	33.30	31.91	31.60	38.25	38.51	65 dBA:	**180**	**195**
Heavy Trucks	81.16	-12.83	-12.53	-1.20	54.60	31.06	26.89	30.94	37.29	37.40	60 dBA:	**388**	**419**
				Total:	**62.29**	**58.29**	**57.42**	**53.37**	**60.87**	**61.37**	55 dBA:	**837**	**904**

Road Name: Pacific Coast Highway **Segment: North of Palm Avenue**

Average Daily Traffic: 74960 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 200 FEET FROM CENTERLINE (Equiv. Lane Dist: 194.64 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.29	-8.96	-1.20	64.49	61.96	61.10	57.01	64.52	65.02	70 dBA:	**87**	**94**
Medium Trucks	76.31	-9.34	-8.96	-1.20	56.82	37.00	35.60	35.29	41.94	42.21	65 dBA:	**187**	**202**
Heavy Trucks	81.16	-12.71	-8.96	-1.20	58.29	34.75	30.59	34.64	40.99	41.09	60 dBA:	**403**	**435**
				Total:	**65.98**	**61.99**	**61.12**	**57.06**	**64.56**	**65.06**	55 dBA:	**868**	**937**

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: OPENING YEAR 2023 WITH PROJECT CONDITIONS

Project: The 650 PCH Project
Site Conditions: Soft

Road Name: Pacific Coast Highway **Segment: North of Maple Avenue**

Average Daily Traffic: 76810 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 3 Roadway Classification: Major Arterial

	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.73 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	67.36	7.39	-10.48	-1.20	63.08	60.55	59.69	55.60	63.11	63.61	70 dBA:	**87**	**94**
Medium Trucks	76.31	-9.23	-10.48	-1.20	55.41	35.59	34.19	33.88	40.53	40.79	65 dBA:	**188**	**203**
Heavy Trucks	81.16	-12.60	-10.48	-1.20	56.88	33.34	29.18	33.23	39.57	39.68	60 dBA:	**405**	**438**
				Total:	**64.57**	**60.57**	**59.70**	**55.65**	**63.15**	**63.65**	55 dBA:	**873**	**943**

Road Name: Grand Avenue **Segment: West of Pacific Coast Highway**

Average Daily Traffic: 12320 Vehicles Vehicle Speed: 35 MPH Vehicle Mix: 1 Roadway Classification: Secondary Arterial

	NOISE PARAMETERS AT 35 FEET FROM CENTERLINE (Equiv. Lane Dist: 28 ft)										**Centerline Distance to**		
	Noise Adjustments				**Unmitigated Noise Levels**						**Noise Contour (in feet)**		
Vehicle Type	REMEL	Traffic Adj.	Dist Adj.	Finite Adj	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	65.11	0.05	3.67	-1.20	67.63	65.51	64.19	58.18	66.60	67.23	70 dBA:	**21**	**23**
Medium Trucks	74.83	-17.19	3.67	-1.20	60.11	38.86	44.88	26.59	39.73	42.48	65 dBA:	**45**	**50**
Heavy Trucks	80.05	-21.15	3.67	-1.20	61.37	36.02	32.62	37.27	43.47	43.57	60 dBA:	**97**	**107**
				Total:	**69.13**	**65.52**	**64.25**	**58.22**	**66.63**	**67.26**	55 dBA:	**209**	**230**

APPENDIX E

Operational Reference Noise Measurements Printouts

Measurement Report

Report Summary

Meter's File Name	831_Data.004	Computer's File Name	SLM_0002509_831_Data_004.02.ldbin
Meter	831		
Firmware	2.314		
User	GT	Location	
Description	Riverside - The Motorcycle Company - Phase 3		
Note	On Roof - Approx 6 feet from HVAC Unit		
Start Time	2020-05-09 13:23:15	Duration	0:10:00.2
End Time	2020-05-09 13:33:15	Run Time	0:10:00.2
Pause Time	0:00:00.0		

Results

Overall Metrics

LA_{eq}	65.1 dB		
LAE	92.9 dB	SEA	--- dB
EA	214.7 µPa²h		
LZ_{peak}	106.4 dB	2020-05-09 13:25:40	
LAS_{max}	80.1 dB	2020-05-09 13:25:19	
LAS_{min}	55.1 dB	2020-05-09 13:30:14	
LA_{eq}	65.1 dB		
LC_{eq}	78.1 dB	LC_{eq} - LA_{eq}	13.0 dB
LAI_{eq}	68.9 dB	LAI_{eq} - LA_{eq}	3.8 dB

Exceedances	Count	Duration
LAS > 65.0 dB	16	0:02:46.5
LAS > 85.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise	LDN	LDay	LNight
	65.1 dB	65.1 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	65.1 dB	65.1 dB	--- dB	--- dB

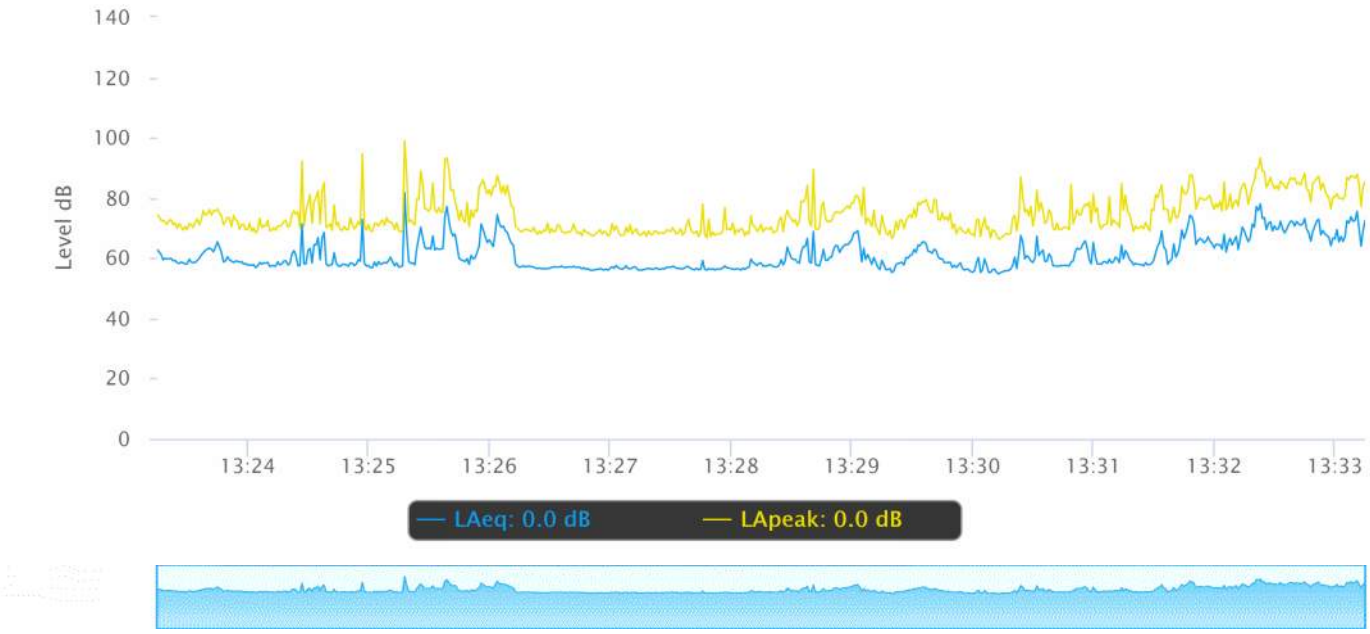
Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	65.1 dB		78.1 dB		80.9 dB	
$LS_{(max)}$	80.1 dB	2020-05-09 13:25:19	91.6 dB	2020-05-09 13:26:05	97.4 dB	2020-05-09 13:23:15
$LF_{(max)}$	84.7 dB	2020-05-09 13:25:18	95.4 dB	2020-05-09 13:25:40	97.5 dB	2020-05-09 13:23:15
$LI_{(max)}$	86.7 dB	2020-05-09 13:25:18	97.5 dB	2020-05-09 13:25:40	99.6 dB	2020-05-09 13:23:15
$LS_{(min)}$	55.1 dB	2020-05-09 13:30:14	64.7 dB	2020-05-09 13:30:02	67.4 dB	2020-05-09 13:28:06
$LF_{(min)}$	54.3 dB	2020-05-09 13:30:13	63.0 dB	2020-05-09 13:30:12	65.8 dB	2020-05-09 13:27:31
$LI_{(min)}$	54.6 dB	2020-05-09 13:30:13	65.0 dB	2020-05-09 13:30:02	68.0 dB	2020-05-09 13:27:59
$L_{Peak(max)}$	98.9 dB	2020-05-09 13:25:18	105.7 dB	2020-05-09 13:25:40	106.4 dB	2020-05-09 13:25:40

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

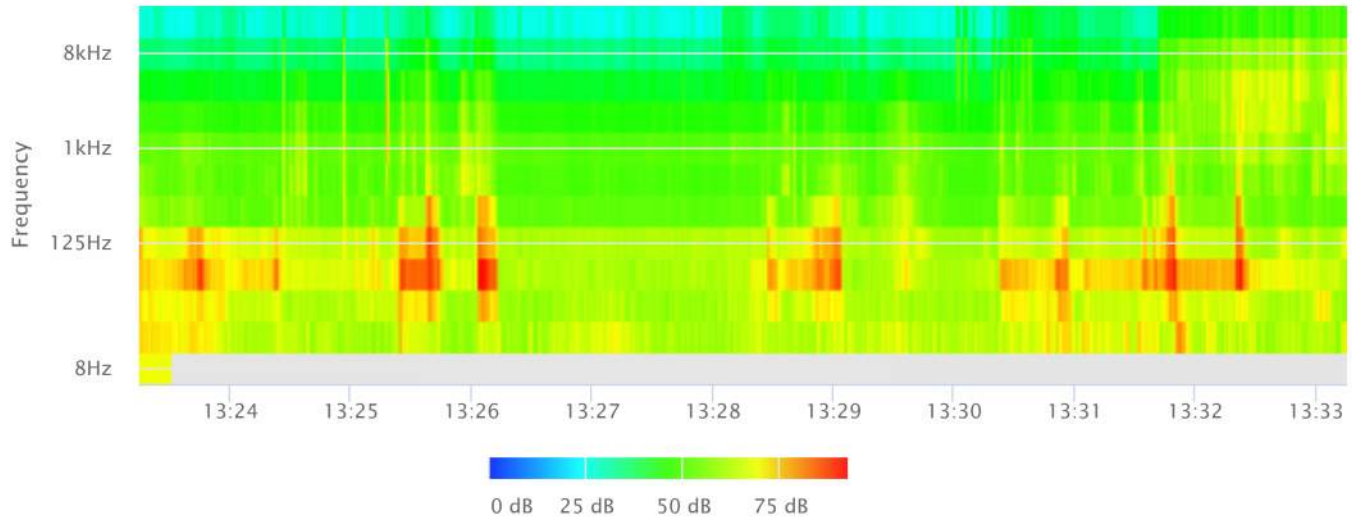
Statistics

LAS 5.0	71.5 dB
LAS 10.0	69.4 dB
LAS 33.3	62.7 dB
LAS 50.0	59.5 dB
LAS 66.6	58.1 dB
LAS 90.0	56.5 dB

Time History



OBA 1/1 Leq



General Information

Serial Number	02509
Model	831
Firmware Version	2.112
Filename	831_Data.002
User	GT
Job Description	Northwest Fresno Walmart Relocation
Location	Northwest Fresno Walmart
Measurement Description	
Start Time	Saturday, 2013 July 27 15:49:15
Stop Time	Saturday, 2013 July 27 16:09:15
Duration	00:20:00.6
Run Time	00:20:00.6
Pause	00:00:00.0
Pre Calibration	Saturday, 2013 July 27 13:36:08
Post Calibration	None
Calibration Deviation	---

Note

Located at the eastern portion of the southern parking lot and approx 140 feet south of the front door
96 F, 35% Humidity, 29.48 in Hg, 3 mph wind, partly cloudy

Overall Data

LAeq		63.1	dB
LASmax	2013 Jul 27 15:59:44	79.2	dB
LApeak (max)	2013 Jul 27 16:06:25	102.2	dB
LASmin	2013 Jul 27 15:50:20	49.6	dB
LCeq		74.0	dB
LAeq		63.1	dB
LCeq - LAeq		10.9	dB
LAIeq		67.4	dB
LAeq		63.1	dB
LAIeq - LAeq		4.3	dB
Ldn		63.1	dB
LDay 07:00-23:00		63.1	dB
LNight 23:00-07:00		---	dB
Lden		63.1	dB
LDay 07:00-19:00		63.1	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		93.9	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

LAS5.00	66.7	dBA
LAS10.00	66.3	dBA
LAS33.30	62.8	dBA
LAS50.00	61.7	dBA
LAS66.60	57.7	dBA
LAS90.00	52.8	dBA
LAS > 65.0 dB (Exceedence Counts / Duration)	17 / 347.8	s
LAS > 85.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 135.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 137.0 dB (Exceedence Counts / Duration)	0 / 0.0	s
LApeak > 140.0 dB (Exceedence Counts / Duration)	0 / 0.0	s

Settings

RMS Weight	A Weighting	
Peak Weight	A Weighting	
Detector	Slow	
Preamp	PRM831	
Integration Method	Linear	
OBA Range	Normal	
OBA Bandwidth	1/1 and 1/3	
OBA Freq. Weighting	Z Weighting	
OBA Max Spectrum	Bin Max	
Gain	+0	dB
Under Range Limit	26.1	dB
Under Range Peak	75.6	dB
Noise Floor	17.0	dB
Overload	143.1	dB

1/1 Spectra

Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1k	2k	4k	8k	16k
LZeq	66.7	66.1	71.1	71.6	64.9	59.5	59.6	58.3	56.2	51.8	46.8	44.6
LZSmax	82.6	84.9	82.2	89.3	77.1	67.1	72.4	76.6	76.6	69.0	67.7	63.1
LZSmin	46.5	55.4	53.6	59.0	55.2	49.9	45.5	43.6	40.9	37.7	39.6	42.8

1/3 Spectra

Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	63.6	61.5	59.8	58.7	60.7	63.4	67.2	66.6	65.3	65.7	67.5	67.2
LZSmax	80.9	76.9	73.6	75.5	79.8	83.7	80.9	76.8	78.9	83.8	87.4	88.8
LZSmin	37.3	40.3	43.7	45.3	48.2	51.5	55.9	60.4	54.9	53.2	57.5	47.0

Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	61.7	61.0	54.9	52.9	57.0	53.2	57.3	54.1	52.1	54.5	53.3	52.7
LZSmax	76.0	71.0	69.8	65.8	64.6	65.6	67.0	71.0	67.1	65.9	72.9	73.0
LZSmin	52.1	48.8	46.7	42.4	46.2	44.6	43.2	38.5	38.6	39.0	39.4	38.2

Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	52.5	50.9	50.7	49.0	46.4	44.5	43.0	41.7	41.1	40.0	39.6	40.0
LZSmax	75.9	69.6	63.7	63.8	64.4	64.7	63.3	62.7	62.7	60.8	57.9	52.5
LZSmin	37.2	35.4	34.6	33.1	32.6	32.8	33.6	34.7	35.9	36.7	37.7	39.4

Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	27 Jul 2013 13:36:08	-25.6
PRM831	28 Apr 2013 15:34:24	-25.9
PRM831	23 Apr 2013 10:17:33	-25.0
PRM831	27 Feb 2013 19:15:30	-25.7
PRM831	24 Jan 2013 12:00:16	-25.6
PRM831	15 Jan 2013 07:50:44	-26.2
PRM831	04 Jan 2013 13:47:46	-26.5

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176
Firmware/Software Revs: 4.283 / 3.120
Name:
Descr1: 1021 Didrikson Way
Descr2: Laguna Beach, CA 92651
Setup/Setup Descr: slm&rta.ssa / SLM & Real-Time Analyzer
Location: 30' N of vendor truck loading area for Fresno Walmart
Note1: Approx 70' S of Locust Ave CL
Note2: 52F, 29.57 in Hg, 67% Humid., no wind, clear sky

Overall Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Spectra

Date	Time	Run Time
19-May-2011	07:05:53	00:08:30.5

Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1	Hz	Leq1/3	Leq1/1	Max1/3	Max1/1	Min1/3	Min1/1
12.5	50.2		56.3		35.5		630	46.5		61.4		31.0	
16.0	50.9	55.5	56.1	61.5	37.1	41.8	800	45.4		60.8		30.5	
20.0	51.0		57.6		38.0		1000	44.5	49.3	56.1	63.9	31.7	35.6
25.0	55.8		57.5		41.1		1250	43.5		59.4		30.2	
31.5	57.7	61.6	57.1	63.3	46.2	49.9	1600	42.6		56.3		28.1	
40.0	56.7		60.3		46.3		2000	41.1	46.1	56.4	61.9	24.9	30.4
50.0	56.8		57.9		44.0		2500	40.0		58.4		21.7	
63.0	55.7	61.0	56.5	62.1	45.9	49.1	3150	40.2		60.8		19.4	
80.0	56.2		57.4		42.2		4000	39.5	43.8	58.6	63.4	18.7	24.1
100	55.6		55.1		42.3		5000	36.7		54.4		19.7	
125	54.3	59.2	59.0	63.8	40.7	45.7	6300	32.8		50.2		21.5	
160	52.8		61.0		39.4		8000	30.2	35.2	57.7	58.5	21.2	25.9
200	51.1		57.3		35.5		10000	25.4		41.5		20.5	
250	51.4	55.2	70.6	71.0	34.6	39.0	12500	22.9		32.2		19.4	
315	48.2		58.2		32.0		16000	20.8	26.5	27.4	33.9	19.1	24.4
400	47.0		59.0		30.1		20000	21.2		23.8		20.3	
500	47.0	51.6	64.3	66.9	30.4	35.3							

Ln Start Level: 15 dB

L1.00	0.0 dBA	L50.00	0.0 dBA	L95.00	0.0 dBA
L5.00	0.0 dBA	L90.00	0.0 dBA	L99.00	0.0 dBA

Detector: Slow
Weighting: A
SPL Exceedance Level 1: 85.0 dB Exceeded: 0 times
SPL Exceedance level 2: 120 dB Exceeded: 0 times
Peak-1 Exceedance Level: 105 dB Exceeded: 0 times
Peak-2 Exceedance Level: 100 dB Exceeded: 0 times
Hysteresis: 2
Overloaded: 0 time(s)
Paused: 0 times for 00:00:00.0

File Translated: V:\Vista Env\2010\10022-Fresno Walmart\Noise Measurements\LD\15.slmdl
Model/Serial Number: 824 / A3176

Current Any Data
Start Time: 19-May-2011 07:05:53
Elapsed Time: 00:08:30.5

	A Weight		C Weight		Flat	
Leq:	54.8 dBA		65.1 dBC		66.1 dBF	
SEL:	81.9 dBA		92.2 dBC		93.2 dBF	
Peak:	85.2 dBA		85.8 dBC		86.0 dBF	
	19-May-2011	07:09:58	19-May-2011	07:09:52	19-May-2011	07:09:52
Lmax (slow):	67.9 dBA		73.2 dBC		73.8 dBF	
	19-May-2011	07:09:50	19-May-2011	07:13:57	19-May-2011	07:13:57
Lmin (slow):	43.7 dBA		60.0 dBC		61.6 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:52	19-May-2011	07:06:51
Lmax (fast):	70.7 dBA		75.5 dBC		75.7 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (fast):	43.1 dBA		57.8 dBC		58.9 dBF	
	19-May-2011	07:11:17	19-May-2011	07:09:10	19-May-2011	07:09:10
Lmax (impulse):	72.1 dBA		76.8 dBC		77.1 dBF	
	19-May-2011	07:09:58	19-May-2011	07:11:34	19-May-2011	07:11:34
Lmin (impulse):	43.6 dBA		61.1 dBC		62.4 dBF	
	19-May-2011	07:11:17	19-May-2011	07:06:51	19-May-2011	07:09:10

Calibrated: 18-May-2011 13:09:02 Offset: -48.2 dB
Checked: 19-May-2011 06:46:08 Level: 113.9 dB
Calibrator not set Level: 114.0 dB
Cal Records Count: 0

Interval Records: Disabled Number Interval Records: 0
History Records: Disabled Number History Records: 0
Run/Stop Records: Number Run/Stop Records: 2

APPENDIX H
Traffic Impact Assessment

VMT Analysis

for:

650 PCH PROJECT

In the City of El Segundo

January 2021

Kimley»Horn

VMT ANALYSIS
FOR THE PROPOSED
650 PCH PROJECT
IN THE CITY OF EL SEGUNDO, CALIFORNIA

Prepared for:

City of El Segundo
Planning and Building Safety Department
350 Main Street
El Segundo, CA 90245

Prepared by:

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Orange, California 92868

JANUARY 2021

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VEHICLE MILE TRAVELED ANALYSIS
FOR THE PROPOSED 650 PCH PROJECT
IN THE CITY OF EL SEGUNDO

INTRODUCTION

Senate Bill (SB) 743 was approved by the California legislature in September 2013. SB 743 requires changes to California Environmental Quality Act (CEQA), specifically directing the Governor's Office of Planning and Research (OPR) to develop alternative metrics to the use of vehicular "level of service" (LOS) for evaluating transportation projects. OPR has updated guidelines for CEQA, written a technical advisory for evaluating transportation impacts in CEQA and has set a deadline of July 1, 2020 for local agencies to update their CEQA transportation procedures. OPR has recommended that Vehicle Miles Travelled (VMT) replace LOS as the primary measure of transportation impacts. The City of El Segundo is in the process of adopting new Transportation Impact Guidelines and now relies on VMT as the measure for determining a project significant transportation impact under the CEQA process.

This technical memorandum was prepared to document the VMT analysis for the 650 PCH project following the OPR Technical Advisory on Evaluating Transportation Impacts (Governor's Office of Planning and Research, 2018) and the draft City of El Segundo SB 743 Implementation Guidelines.

PROJECT OVERVIEW

The project is located in the north-central portion of the City of El Segundo, in the County of Los Angeles. The Project Site is located at 650 and 700 North Pacific Coast Highway (Buildings A and B, respectively) and 737 Carl Jacobson Way (Building D). In total, the project site consists of seven contiguous parcels. The applicant proposes to renovate and perform minor alterations to buildings A and B and demolish the existing surface parking lot to construct a 122,156 square-foot office building (Building C) with a 1,185-space parking structure. In addition, the Project will consolidate the seven parcels of land into a single 7.258-acre ground parcel through the proposed Vesting Tentative Parcel Map No. 83129. The gross square footages for each building in the Project are as follows:

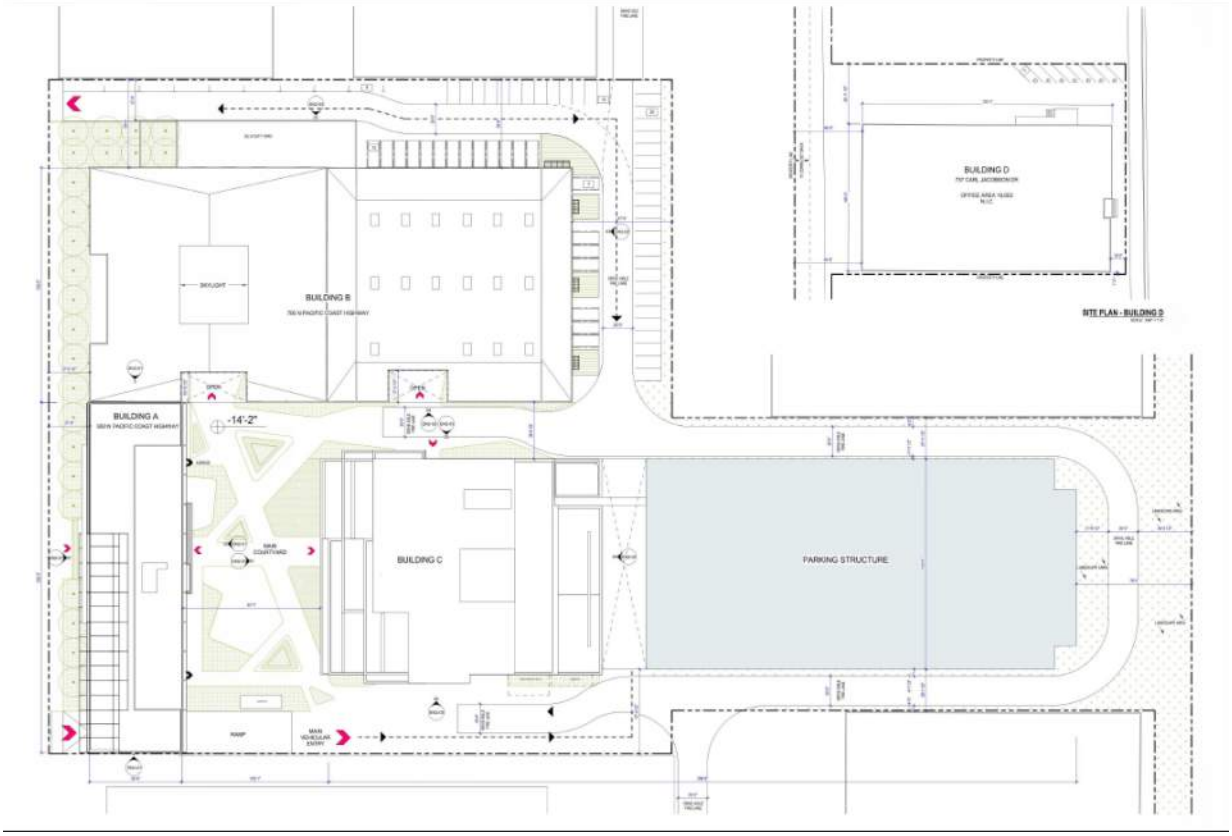
- Building A: 99,916 square-feet of floor area (net addition of 1,031 square feet from existing 98,885 square-feet)
- Building B: 65,120 square-feet of floor area (net reduction of 4,572 square feet from existing 69,692 square-feet)
- Building C: 122,156 gross square feet, with an integrated 1,185-space parking structure
- Building D: 16,652 square-feet of floor area (no proposed changes)

Figure 1 shows the project location and Figure 2 shows a Conceptual Site Layout.

Figure 1 – Project Location

Source: Michael Baker International

Figure 2 – Conceptual Site Layout



Vehicular access provisions for the project site would be provided via two existing driveways on Pacific Coast Highway. One driveway is located on the north side of Building B and the other is on the south side of Building A. Both driveways are unsignalized and provide right-in-right-out only access due to a median on Pacific Coast Highway. An additional driveway is located on Mariposa Avenue which is reserved for emergency vehicle access only that will wrap around the exterior of the proposed parking structure and exit through a gate continuing onto the property at 1910 East Maple Avenue north of the project site.

The proposed parking structure would provide a total of 1,185 parking spaces to serve the office uses at the Project Site and potentially other nearby parcels that do not have adequate parking. In total, the Project Site would provide 1,256 spaces when including the 71 existing and proposed surface parking spaces on the north and east side of Building B. The Project would also include 128 short-term and long-term bicycle parking spaces. Loading space would be provided via three loading docks, located on the south side of Building C.

PROJECT AREA

The area surrounding the project is mostly corporate offices with some general commercial uses. The project site is bounded by Sepulveda Boulevard, a major arterial and truck route, Mariposa Avenue and Lairport Street, which are secondary arterials, and Maple Avenue, a collector street. Mariposa Avenue is also a designated El Segundo bike route.

The project site is well served by public transit provided by Los Angeles County Metropolitan Transportation Authority (Metro). Bus stops located at PCH and Mariposa Avenue serve the project with Metro Line 232. Metro Line 232 operates along PCH and Mariposa Avenue within the project vicinity. On weekdays Line 232 operates from 4:30 AM to 11:47 PM, with approximate 30-minute headways throughout the day. On Saturdays, Sundays and holidays, Line 232 operates from approximately 4:38 AM to 1:01 AM, with 30-minute headways throughout the day. The Mariposa Metro Station, served by the Metro C Line, at the intersection of E Mariposa Avenue and N Noah Street is also located within half mile distance of the Project site.

VEHICLE MILES TRAVELED THRESHOLDS FOR EL SEGUNDO

The OPR Technical Advisory (Governor's Office of Planning and Research, 2018) recommends Vehicle Miles Traveled (VMT) thresholds set to 15% below the regional average. The City of El Segundo is part of Los Angeles County and is a member city of the Southern California Association of Governments (SCAG), which maintains the regional travel demand model as part of the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). Therefore, the SCAG area is considered the region to which the regional average is derived from.

The draft City of El Segundo SB 743 Implementation Guidelines was created to apply both SB 743 and the OPR Technical Advisory (Governor's Office of Planning and Research, 2018) to the City specifically and define the City's guidelines to identify transportation impacts under CEQA.

The VMT threshold criteria for Office uses, per the draft City of El Segundo SB 743 Implementation Guidelines , is summarized in Table 1.

Table 1 - VMT Threshold Criteria for Office

Land Use	Threshold of Significance
Office	15% below existing SCAG Home-based Work (HBW) VMT per employee

Based on this criteria shown in Table 1, the VMT threshold of significance for office land use in the City of El Segundo has been established and summarized in Table 2. The numerical threshold value shown in Table 2 is based on the draft City of El Segundo SB 743 Implementation Guidelines.

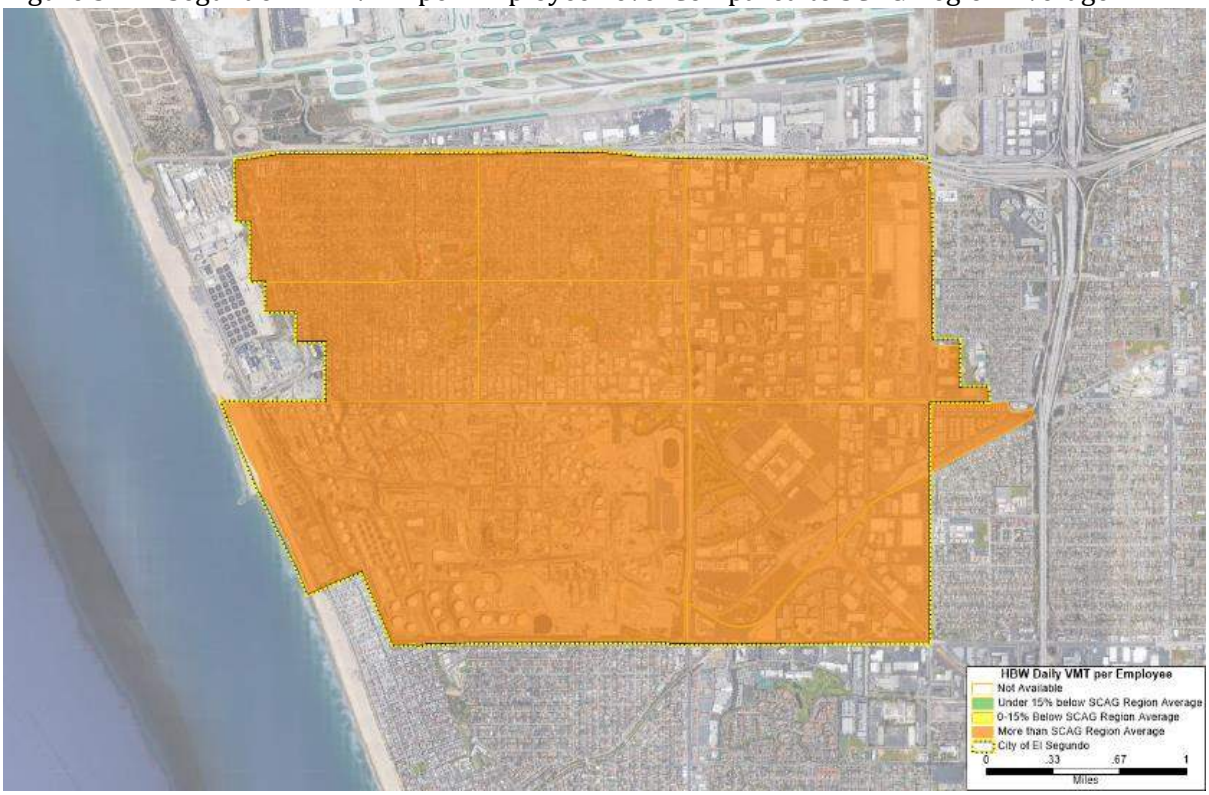
Table 2 - VMT Thresholds of Significance

Land Use	VMT Threshold	Basis
Office	17.0 Work VMT/Employee[1]	15% below existing SCAG HBW VMT per employee

Improvements to methods and data as well as other modeling modifications may result in periodic updates to the numerical threshold that is seen both here and in the draft City of El Segundo SB 743 Implementation Guidelines. However, the criteria of 15% below existing SCAG HBW VMT per Employee levels remains the same. More information on the methodology of how this numerical threshold was calculated can be found in the draft City of El Segundo SB 743 Implementation Guidelines.

Figure 3 shows that the HBW VMT per employee levels in the City are higher compared to the SCAG Region Average.

Figure 3 – El Segundo HBW VMT per Employee Level Compared to SCAG Region Average



VEHICLE MILES TRAVELED SCREENING

This section documents VMT/ SB 743 considerations for the project. The OPR Guidelines provide details on appropriate screening thresholds that can be used to identify when a proposed land

[1] Work VMT specifically applies to commute trips as represented in the Travel Demand Model.

use project is anticipated to result in a less than significant impact without conducting a more detailed level analysis. Screening thresholds are broken into the following three steps:

1. Transit Priority Area (TPA) Screening
2. Low VMT Area Screening
3. Small Project Screening

A land use project needs only meet one of the above screening thresholds to be presumed to result in not significant impact under CEQA pursuant to SB 743.

Transit Priority Area (TPA) Screening

As described in the OPR Guidelines, projects located within half mile from an existing major transit stop or within half of a mile from an existing stop along a high-quality transit corridor can be screened out. A major transit stop is described as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. A high-quality transit corridor is described as a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

The OPR Guidelines state that this presumption may NOT be appropriate if the project:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the City), with input from the Metropolitan Planning Organization);
- Replaces affordable residential units with a smaller number of moderate-or high-income residential units.

The project site is well served by public transit provided by Los Angeles County Metropolitan Transportation Authority (Metro). It is located within a half mile distance to Mariposa Metro Station, served by the Metro C Line, located at the intersection of E Mariposa Avenue and N Noah Street. The C Line has seven to eight minutes headways during peak hours on the weekdays, 15-minute headways during the midday and all day on the weekends, and 20-minute headways at night. Metro Line 232 operates along PCH and Mariposa Avenue within the project vicinity. On weekdays Line 232 operates from 4:30 AM to 11:47 PM, with approximate 30-minute headways throughout the day. On Saturdays, Sundays and holidays, Line 232 operates from approximately 4:38 AM to 1:01 AM, with 30-minute headways throughout the day.

OPR also has a beta tool named Site Check that allows users to see the potential accelerated pathways to CEQA compliance that may apply based on the location of the parcels. One of the

screening criteria that it checks for is whether the project is in a TPA. As seen in Appendix A, OPR's Site Check does state that the project meets the TPA criteria.

Based on the OPR Guidelines, the Project may be presumed to have a less than significant impact absent substantial evidence to the contrary. The Project does not meet any of the criteria that would disqualify it from TPA screening with the exception of parking supply. As previously described the proposed Project would provide a total of 1,256 parking spaces to serve the office uses at the Project Site and potentially other nearby parcels that do not have adequate parking. Although the Project provides in excess of 663 parking spaces required per El Segundo Municipal code, Ord. 1444, 8-3-2010, not all the parking spaces are intended to be used by the employees and visitors of the Project. The additional parking spaces are intended to accommodate nearby parcels that are potential underserved. As such, the parking provided may not necessarily disqualify the project from screening out from TPA screening. However, in abundance of caution and to provide a conservative analysis, a full VMT analysis has been conducted.

Low VMT Area Screening

Per the OPR Technical Advisory, "residential and office projects that locate in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT. Maps created with VMT data, for example from a travel survey or a travel demand model, can illustrate areas that are currently below threshold VMT. Because new development in such locations would likely result in a similar level of VMT, such maps can be used to screen out residential and office projects from needing to prepare a detailed VMT analysis."

As seen in Figure 3 earlier, the HBW VMT/Employee level TAZ in which the project is located is higher than the SCAG Region average.

Small Project Screening

Per the OPR Technical Advisory, "absent substantial evidence indicating a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Communities Strategy (SCS) or general plan, projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant transportation impact."

Trip Generation estimates for the existing use and the proposed project are based on the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) trip rates for General Office Building (ITE Land Use 710). In addition to the existing use, the project is expected to generate 1,155 daily trips, well above the 110 daily trips screening criteria.

VMT ANALYSIS

Methodology

The calculation of vehicle miles traveled has two components – the total number of trips generated and the average trip length of each vehicle. A Travel Demand Model is a useful tool to

estimate VMT as it considers interaction between different land uses based on socio-economic data such as population, households and employment. Travel Demand Models (TDMs) are broadly considered to be amongst the most accurate of available tools to assess regional and sub-area VMT. Southern California Association of Governments (SCAG) maintains the regional travel demand model as part of the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), which consists of six counties (Los Angeles, Ventura, Orange, San Bernardino, Riverside, Imperial) in the southern California region. The latest available SCAG travel demand model developed as part of the 2016 RTP/SCS was determined to be the best fit for developing the VMT thresholds considering the geographic location of the City and the detailed roadway and transit networks in the model.

The 2016 Base Year model scenario was used for the baseline conditions and 2040 Plan model scenario was used for the cumulative conditions in the City. Out of the six counties included in the model Los Angeles county is the major contributor of the trips to and from the City during a typical weekday. Trips outside of the SCAG region were estimated from the external stations surrounding the model region and were determined to be excluded from the VMT analysis as those were less than 1% of the Citywide trip generation.

Before beginning the Citywide VMT analysis the zonal structure and various components of the SCAG model were thoroughly reviewed to make the best use of model results to determine the VMT thresholds.

Model Zone Structure

VMTs were computed at Traffic Analysis Zone (TAZ) level to determine the thresholds as well as compare City's performance against the County and entire SCAG region. SCAG model uses two-tiered zone structure the allows for micro and macro-scale analysis and reporting. The first tier contains 4,109 internal zones, while the second tier contains 11,267 internal zones. All Tier 2 zones nest within Tier 1 zones. The model generates outputs for different components that vary by the two tiers. The results that are used to compute VMT are mainly focused at Tier 1 level, therefore the VMT analysis was conducted at the Tier 1 TAZ level.

Socio-Economic Data

Socioeconomic data (SED) and other model inputs are contained in each TAZ. Out of several different variables in the model SED, the VMT analysis mainly focused on population, number of households and types of employment that are used in the trip generation component. VMT computation was focused on the fact that the model uses employment variables by 3 income levels to determine commute trips and employment variables by 13 industries to determine rest of the trips. Employment variables used in the model are listed below.

Employment by Income Level:

1. Low Income Employment (less than $34,999)
2. Medium Income Employment ($35,000 to $74,999)
3. High Income Employment ($75,000 or more)

Employment by Industry type:

1. Agriculture and mining
2. Construction
3. Manufacturing
4. Wholesale trade
5. Retail trade
6. Transportation, warehousing, and utility
7. Information
8. Financial activities
9. Professional and business services
10. Education and health services
11. Leisure and hospitality services
12. Other services
13. Public administration

It should be noted that not all of the employment variables by industry type in the model are used for trip generation, therefore commute VMT was calculated for few land use types were applicable using the trip generation rates that were used in the model.

Trip Generation

The model runs a series of complex steps to estimate daily trip productions and attractions by various trip purposes and market sectors for each TAZ. The trip purposes are listed below.

Model Trip Purpose:

1. Home-Based Work Direct (HBWD)
2. Home-Base Work Strategic (HBWS)
3. Home-Based School (HBSC)
4. Home-Based College and University (HBCU)
5. Home-Based Shopping (HBSH)
6. Home-Based Social-Recreational (HBSR)
7. Home-Based Serving-Passenger (HBSP)
8. Home-Based Other (HBO)
9. Work-Based Other (WBO)
10. Other-Based Other (OBO)

The production model uses several variables such as number of workers, household income, age, household size and car availability depending on the trip purpose. Trip productions for every TAZ in the model were compiled separately by each trip purpose. The attraction model uses income categories of employment for the HBW trip purpose, whereas it uses 13 categories of employment for all non-HBW trip purposes. The attraction model estimates trip attractions to each TAZ by regression coefficients that varies by employment type. Trip attractions for every TAZ were compiled by each purpose and by each employment type based on these regression coefficients.

Person Trips, Vehicle Occupancy, Trip Distance

Trip productions and attractions were compiled after the mode choice step, and only auto trips were used for the analysis. Since these auto trips are person trips, vehicle occupancy factors were applied for carpool 2 and carpool 3+ auto person trips. Model uses separate factors for carpool 3+ for each trip purpose. After the vehicle trip productions and attractions were computed for each trip purpose, trip lengths were applied for each zone pair from the skim matrices in the model to compute the production and attraction VMT by purpose.

VMT by Land Use Type

The residential VMT was computed by combining the production VMT for all the Home-Based trip purposes. VMT for non-residential land uses was computed from the attraction VMT for only the Home-Based-Work trip purpose.

VMT Calculations

The residential VMT was computed by combining the production VMT for all the Home-Based trip purposes. Commute VMT was computed from the attraction VMT by Home-Based Work trip purposes. Residential and commute VMT by each TAZ were computed and average VMT were determined by City County, and Region levels to determine the thresholds.

PROJECT VMT

The major trip purposes of the site in terms of their trip length and frequency should be considered to evaluate this type of facility. Given the description, two types of trips were broadly considered for this development given its context: (1) employee commute trips; (2) other trips related to functioning of the business and/or its employee. The following discussion is provided regarding these two broad trip types.

Employee commute trips. These are the primary automobile trips associated with employment generating uses such as the proposed project. This facility is expected to provide additional jobs and some related trips to the area. The efficiency of VMT associated with employee commute trips has been assessed based on the City's draft guidelines consistent with the SCAG Travel Demand Model.

Other trips. These are often the smallest number and shortest distance of trips for a facility like this and include a broad range of trip types, such as, employee lunches off-site, maintenance teams for on-site infrastructure, office supply deliveries, etc. As such their impact to the overall VMT of the site is likely minimal. As such it is not likely that they are impactful to the local transportation system and are secondary to the commute trips.

The same model used for developing the thresholds was used to calculate the Project VMT consistent with the OPR guidelines. Adjustments in socio-economic data (employment) were

made to the appropriate traffic analysis zone (TAZ) within the SCAG model to reflect the project's proposed land use. The step-by-step guide to these adjustments can be seen in Appendix B.

Project Home-Based Work (HBW) VMT per Employee

The home-based work (HBW) VMT per employee is the HBW attraction VMT divided by the number of employees derived from the SCAG model and is based on those employee commute trips discussed earlier. The HBW VMT per Employee is used to measure efficiency of VMT generated by employment-based uses.

The project is located in TAZ #21138000. Based on the SCAG 2016 RTP/SCS travel demand model, TAZ #21138000 has 12,137 employees that produce 262,958 HBW VMT. Therefore, the Existing HBW VMT per Employee calculated is 21.7. As seen in Table 3, the project adds an additional 473 employees that produce an additional 12,375 HBW VMT.

Table 3 – Project HBW VMT/Emp

TAZ #21138000	Total Employees	HBW VMT	HBW VMT / Emp
Existing	12,137	262,958	21.7
Project	473	12,375	-
Existing Plus Project	12,610	275,333	21.8

Therefore, the Project HBW VMT per Employee calculated based on the SCAG model is 21.8.

Potential Project Impacts

As shown in Table 4, the project's HBW VMT per Employee would not meet the 15% below regional average threshold. As such, the project's transportation impact is potentially significant based on the OPR recommended thresholds.

Table 4 – VMT Impact Evaluation

Threshold Option	Threshold	Project	Change in VMT	Potentially Significant?
HBW VMT Employee	17.0	21.8	+4.8	Yes

Mitigation

If a significant transportation impact is identified, feasible mitigation measures to avoid or reduce the impact must be identified. CEQA requires that the mitigation measures are included in the project's environmental analysis. OPR provides a list of potential measures to reduce VMT but gives the lead agency full discretion in the selection of mitigation measures.

For an individual development project, VMT mitigations will typically require the preparation of a transportation demand management (TDM) program. A TDM program is a combination of strategies to reduce VMT. The program is created by an applicant for their land use project based

on a list of strategies agreed to with the City of El Segundo. The City of El Segundo is developing a list of potential TDM strategies appropriate for their jurisdiction guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations found in the 2010 publication Quantifying Greenhouse Gas Mitigation Measures (California Air Pollution Control Officers Association (CAPCOA), 2010).

In terms of commute trip reduction, the 4.8 miles per employee is equivalent to 254 daily trips (22% of 1,155 daily trips estimated for the project). The applicant shall prepare and implement a Project-specific TDM program that will reduce the Project's VMT per employee by a minimum of 4.8 miles or 254 daily trips based on a preliminary list of applicable strategies described previously that provide feasible means to adequately reduce the Project VMT. These elements may change or be adjusted to adapt to changing commute trends and to maximize the efficiency and performance of the program.

Transportation demand management (TDM) strategies have been evaluated for reducing VMT impacts determined to be potentially significant and a list of potential strategies with the City's max VMT reduction and equivalent daily trip reduction that could be implemented by the Project are listed below:

1. **Safe and Well-Lit Access to Transit**: Enhance the route for people walking or bicycling to nearby transit stops located on PCH and Mariposa Avenue. **(2%) or up to 23 trips.**
2. **Transit Subsidies**: Provide subsidization of transit fare for employees of the project site. This strategy helps reduce single-occupancy vehicle trips by utilizing transit service already present in the project area. **(10%) or up to 116 trips.**
3. **Travel Behavior Change Program**: Provide a web site that allows employees to research other modes of transportation for commuting. **(4%) or up to 46 trips.**
4. **Promotions & Marketing**: Provide marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. **(4%) or up to 46 trips.**
5. **Commute Assistance Center**: Provide a computer kiosk that allows employees to research other modes of transportation for commuting. **(4%) or up to 46 trips.**
6. **Preferential Carpool / Vanpool Parking Spaces**: Provide reserved carpool/vanpool spaces closer to the building entrance. **(10%) or up to 116 trips.**
7. **Passenger Loading Zones**: Provide passenger loading zones for easy access to carpools or vanpools. **(5%) or up to 58 trips.**
8. **Bike Share**: Implement bike share to allow people to have on-demand access to a bicycle, as-needed. **(0.25%) or up to 3 trips.**
9. **Bike Parking and Facilities**: Include secure bike parking and showers to provide additional end-of-trip bicycle facilities to support safe and comfortable bicycle travel. Provide on-site bicycle repair tools and space to use them supports on-going use of bicycles for transportation. **(3%) or up to 35 trips.**

10. **Traffic Calming Improvements:** Implement traffic calming measures throughout and around the perimeter of the project site that encourage people to walk, bike, or take transit within the development and to the development from other locations. **(1%) or up to 12 trips.**
11. **Pedestrian Network Improvements**: Implement pedestrian network improvements throughout and around the project site that encourages people to walk. **(2%) or up to 23 trips.**
12. **Parking Cash Out**: Provide employees a choice of forgoing current parking for a cash payment to be determined by the employer. **(5%) or up to 58 trips.**
13. **Alternative Work Schedule**: Implement Flextime, Compressed Work Week (CWW), and staggered shifts for employees. **(15%) or up to 173 trips.**
14. **Telecommuting**: Provide telework option to employees by use of telecommunications as a substitute for physical travel. **(22%) or up to 254 trips.**

Additional City of El Segundo TDM measures are provided in Appendix C.

It is recommended that the TDM program be implemented for the entire campus (i.e., Buildings A, B and C) to reduce the overall VMT in the region and thus reducing the Project's potential VMT impact below the threshold. The total trip generation estimate for the campus is 2,797 daily trips. A reduction of 254 daily trips or 9.1% should be achieved for the entire project using a combination of the TDM strategies discussed above to bring the project's potential VMT impact to less than significant levels.

TDM Plan

It is recommended that the Project applicant prepare a TDM Plan in consultation with the City to develop a TDM program to include a combination of the strategies listed above or other strategies as appropriate. The TDM program will be comprised of three major components:

1. Education: The Education component focuses on awareness and communication to reduce vehicle trips to the building by employees.
2. Program Elements: The TDM program shall implement elements that will promote carpool, bicycling, walking, and transit in place of individual vehicle trips to and from the Project. These elements may change or be adjusted to adapt to changing commute trends and to maximize the efficiency and performance of the program.
3. Monitoring: To ensure that the TDM program is working effectively and achieving its goals, regular monitoring of commute patterns and reviewing the TDM program will be necessary.

CONCLUSION

The project's transportation impact based on VMT is potentially significant based on the OPR's recommended thresholds. With the implementation of a TDM program, the Project transportation impact is anticipated to be less-than-significant.

REFERENCES

California Air Pollution Control Officers Association (CAPCOA). (2010). *Quantifying Greenhouse Gas Mitigation Measures.*

Governor's Office of Planning and Research. (2018). *Technical Advisory: On Evaluating Transportation Impacts in CEQA.*

APPENDIX A – SITE CHECK REPORT

Site Check Report

created **January 25, 2021**

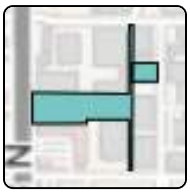
Legal Disclaimer: The following report is provided as a public service, for informational purposes only. This report should not be construed as legal advice. Users of this report should independently verify its determinations prior to taking any action under the California Environmental Quality Act (CEQA).

Legend

A check mark means the tool determined the parcel met the spatial requirements for a CEQA provision.

A question mark indicates (1) the spatial requirements may have been met but must be further verified by the user or (2) that there are no spatial requirements for that provision.

An means the tool determined that the site did not meet the CEQA spatial requirements.



Project 3

4 parcels

5

Categorical Exemptions

Categorical exemptions are made up of classes of projects that generally are considered not to have potential impacts on the environment. Categorical exemptions are identified by the Natural Resources Agency and are defined in the CEQA Guidelines (§§ 15300-15333). All categorical exemptions are subject to the limitations contained in CEQA Guidelines § 15300.2. Only the two categorical exemptions regularly used for housing are mapped and reported; other categorical exemptions could potentially be utilized and should be reviewed and considered.

CEQA Guidelines § 15332 (Class 32, Infill Development Projects)

This categorical exemption covers all infill projects, including projects that contain residential uses.

Site Check considered the following requirements:

City Limits

Within city limits

User must determine the remaining requirements:

◯ Type of Housing

Any

◯ Plan Consistency

The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.

◯ Acreage

The project site is no more than five acres.

◯ Infill

The project site is substantially surrounded by urban uses.

◯ Habitat

The project site has no value as habitat for endangered, rare or threatened species.

◯ Significant Impacts

Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.

◯ Utilities

The site can be adequately served by all required utilities and public services.

◯ Exceptions

None of the exceptions contained in CEQA Guidelines § 15300.2 apply:

◯ Cumulative Impact

All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.

◯ Significant Effect

A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.

◯ Scenic Highways

A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a State Scenic Highway. This

does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.

◯ Hazardous Waste Sites

A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to GOV § 65962.5.

◯ Historical Resources

A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource.

Streamlining

Streamlining provisions under CEQA range from a complete exemption to an obligation to prepare a narrowed environmental document with fewer topics.

✓ PRC § 21094.5 (SB 226, Infill Streamlining)

This provision provides a streamlined review process for infill projects that satisfy specified performance standards by limiting the topics subject to review at the project level where the effects of infill development have been addressed in a planning level decision or by uniformly applicable development policies. Streamlining under this section will range from a complete exemption to an obligation to prepare a narrowed, project-specific environmental document (see CEQA Guidelines § 15183.3(c), (d)). A notice of determination must be filed if this code section is used to obtain a full exemption from CEQA (see CEQA Guidelines § 15183.3(d)(2)(A)). For more information on this provision, see CEQA Guidelines Appendix M (performance standards prepared pursuant to PRC § 21094.5.5) and Appendix N (infill environmental checklist form).

Site Check considered the following requirements:

✓ Urban Area

Within an Urban Area

"Urban area" includes either an incorporated city or an unincorporated area that is completely surrounded by one or more incorporated cities that meets both of the following criteria:

A. The population of the unincorporated area and the population of the surrounding incorporated cities equal a population of 100,000 or more.
B. The population density of the unincorporated area is equal to, or greater than, the population density of the surrounding cities.

✓ Transit Proximity

Any of the following:

Note, even if a project does not meet any of the transit proximity requirements listed below, it may still qualify for this streamlining provision if it is a residential or mixed-use project

consisting of 300 or fewer residential units, all of which are affordable to low income households. (See CEQA Guidelines, Appendix M, Section IV.A.)

Existing Major Transit Stop

Within ½ mile of an existing Major Transit Stop.

"Major Transit Stop" means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with frequencies of service intervals of 15 minutes or less during the morning and afternoon peak commute periods.

Planned Major Transit Stop

Within ½ mile of a planned Major Transit Stop.

A planned and funded stop that is included in an adopted regional transportation improvement program.

Existing High-Quality Transit Corridor

Within ½ mile of a stop along an existing High-Quality Transit Corridor.

"High-quality transit corridor" means an existing corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

Planned High-Quality Transit Corridor

Within ½ mile of a stop along a planned High-Quality Transit Corridor.

A planned and funded stop that is included in an adopted regional transportation improvement program.

Low Vehicle Travel Area

Within a Low Vehicle Travel Area.

"Low vehicle travel area" means a traffic analysis zone that exhibits a below average existing level of travel as determined using a regional travel demand model. For residential projects, travel refers to either home-based or household vehicle miles traveled per capita. For commercial and retail projects, travel refers to non-work attraction trip length; however, where such data are not available, commercial projects reference either home-based or household vehicle miles traveled per capita.

User must determine the remaining requirements:

Type of Housing

Residential or Mixed-Use (undefined)

Infill

Site either has been previously developed or a vacant site that adjoins existing qualified urban uses on at least seventy-five percent of the site's perimeter.

"Adjoins" includes uses that are separated only by an improved public right-of-way.

SCS Consistency

Since this is within the boundaries of an MPO, the project must be consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in the applicable Sustainable Communities Strategy.

Soil and Water Remediation

If the project site is included on any list compiled pursuant to GOV § 65962.5, the project shall document how it has remediated the site, if remediation is completed. Alternatively, the project shall implement the recommendations provided in a preliminary endangerment assessment or comparable document that identifies remediation appropriate for the site.

Residential Units Near High-Volume Roadways and Stationary Sources

If a project includes residential units located within 500 feet, or other distance determined to be appropriate by the local agency or air district based on local conditions, of a high volume roadway or other significant sources of air pollution, the project shall comply with any policies and standards identified in the local general plan, specific plan, zoning code or community risk reduction plan for the protection of public health from such sources of air pollution. If the local government has not adopted such plans or policies, the project shall include measures, such as enhanced air filtration and project design, that the lead agency finds, based on substantial evidence, will promote the protection of public health from sources of air pollution. Those measure may include, among others, the recommendations of the California Air Resources Board, air districts, and the California Air Pollution Control Officers Association.

PRC § 21099 (SB 743, Aesthetics & Parking)

This provision removes the requirement to analyze aesthetic and parking impacts. It does not affect, change, or modify the authority of a lead agency to consider aesthetic impacts pursuant to local design review ordinances or other discretionary powers provided by other laws or policies. For the purposes of this streamlining provision, aesthetic impacts do not include impacts on historical or cultural resources.

Site Check considered the following requirements:

Transit Proximity

The project is proposed within a transit priority area, as defined in subdivision (a) of PRC § 21099:

"Transit priority area" means an area within one-half mile of a major transit stop that is existing or planned, if the planned stop is scheduled to be completed within the planning

horizon included in a Transportation Improvement Program or applicable regional transportation plan.

User must determine the remaining requirements:

◯ Type of Housing

Residential or mixed-use residential (not defined)

◯ Infill

Must be located on an infill site as defined in PRC § 21099:

"Infill site" means a lot located within an urban area that has been previously developed, or on a vacant site where at least 75 percent of the perimeter of the site adjoins, or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses.

✓ PRC § 21155.2 (SB 375, SCEA)

This provision applies to transit priority projects, which are defined in PRC § 21155. If this criterion is met, then the project might qualify for a Sustainable Communities Environmental Assessment (SCEA), which is essentially a negative declaration that is subject to a substantial evidence standard of review (see PRC § 21155.2(b)). If the project does not qualify for an SCEA, it may qualify for a streamlined environmental impact report (see PRC § 21155.2(c)).

Site Check considered the following requirements:

✓ Transit Proximity

Any of the following:

Note, a project is considered to be within one-half mile of a major transit stop or high-quality transit corridor if all parcels within the project have no more than 25 percent of their area farther than one-half mile from the stop or corridor and if not more than 10 percent of the residential units or 100 units, whichever is less, in the project are farther than one-half mile from the stop or corridor. (See PRC § 21155.)

✓ Existing Major Transit Stop

Within ½ mile of an existing Major Transit Stop as defined in PRC § 21064.3:

"Major transit stop" means a site containing any of the following:

a. An existing rail or bus rapid transit station.
b. A ferry terminal served by either a bus or rail transit service.
c. The intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.

d. "Bus rapid transit" is defined in PRC § 21060.2.

Planned Major Transit Stop

Within ½ mile of a planned Major Transit Stop as defined in PRC § 21064.3 that is included in the applicable Regional Transportation Plan.

Existing High-Quality Transit Corridor

Within ½ mile of an existing High-Quality Transit Corridor:

A high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

Planned High-Quality Transit Corridor

Within ½ mile of a planned High-Quality Transit Corridor that is included in the applicable Regional Transportation Plan.

Within an MPO

Must be located within the boundaries of a Metropolitan Planning Organization.

User must determine the remaining requirements:

Type of Housing

Residential and mixed use (at least 50 percent residential use based on total building square footage)

Density

Provide a minimum net density of at least 20 dwelling units per acre; if the project contains between 26 percent and 50 percent nonresidential uses, a floor area ratio of not less than 0.75.

SCS consistency

Consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in the applicable Sustainable Communities Strategy.

Prior EIR

Must have incorporated all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports and adopted in findings made pursuant to PRC § 21081.

PRC § 21159.28 (SB 375, Growth Inducing & Cumulative Impacts)

Under this provision, an environmental document does not need to reference, describe, or discuss (1) growth inducing impacts; or (2) any project specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network (see PRC § 21159.28(a)). Any environmental impact report is not required to reference, describe, or

discuss a reduced residential density alternative to address the effects of car and light-duty truck trips generated by the project (see PRC § 21159.28(b)).

Site Check considered the following requirements:

- [x] Within an MPO

  Must be located within the boundaries of a Metropolitan Planning Organization.

User must determine the remaining requirements:

- [ ] Type of Housing

  Residential or Mixed-Use

  A residential or mixed-use residential project is a project where at least 75 percent of the total building square footage of the project consists of residential use.

  Or a transit priority project (see if PRC § 21155.2 applies).

- [ ] SCS Consistency

  Consistent with the use designation, density, building intensity, and applicable policies specified for the project area in the applicable sustainable communities strategy.

- [ ] Prior EIR

  Project incorporates the mitigation measures required by an applicable prior environmental document.

Other Resources

For practitioner's tips from Ascent Environmental:

- Statutory Exemptions for Housing Projects
- Categorical Exemptions for Housing Projects

For more information on how to use a CEQA exemption or streamlining provision, please see AEP's CEQA Portal Topic Paper.

Not all CEQA provisions that may apply to a housing project have been included in this tool. Site Check is focused on the CEQA provisions that cover a variety of housing types. Based on the specifics of the project, users should also consider the following provisions:

- **Affordable Housing** - PRC § 21159.23 - CEQA statutory exemption for construction, conversion, or use of residential housing consisting of 100 or fewer units that is affordable to low-income households.
- **Agricultural Employee Housing** - PRC § 21159.22 - CEQA statutory exemption for the construction, conversion, or use of residential housing for agricultural employees.
- **Motel to Supportive Housing Conversions** - PRC § 21080.50 - CEQA statutory exemption for the conversion of a hotel, motel, apartment hotel, transient occupancy residential structure, or hostel for transitional and supportive housing. This exemption expires on January 1, 2025.
- **Existing Facility Reuse - Class 1**, CEQA Guidelines § 15301 - CEQA categorical exemption for the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. As a categorical exemption, this provision is subject to the limitations contained in CEQA Guidelines § 15300.2.

Ministerial/By Right Considerations

CEQA applies when a governmental agency can exercise judgment in deciding whether and how to carry out or approve a project. This makes the project "discretionary." (CEQA Guidelines, § 15357.) Where the law requires a governmental agency to act on a project using fixed standards and the agency does not have authority to use its own judgment, the project is called "ministerial," and CEQA does not apply. (CEQA Guidelines, §§ 15268(a), 15369.)

State and local laws and guidelines should be consulted when determining whether a project may be ministerial or "by right."

State Legislation:

- **SB 35** - GOV § 65913.4 - Creates a streamlined approval process for developments in localities that have not yet met their housing targets, provided that the development is on an infill site and complies with existing residential and mixed-use zoning. Participating developments must provide at least 10 percent of units for lower-income families. All projects over 10 units must be prevailing

wage and larger projects must use skilled and trained labor. See the SB 35 section of https://www.hcd.ca.gov/policy-research/lhp.shtml .

- **AB 2162** – GOV § 65650-65656 - Allows for by-right development for supportive housing anywhere zoned for multifamily and mixed-use housing.
- **AB 430** - GOV § 65913.15 - Establishes a ministerial approval process for housing development in the cities of Biggs, Corning, Gridley, Live Oak, Orland, Oroville, Willows and Yuba City. These provisions expire on January 1, 2026.

Local Legislation:

Housing projects may also be by right under local the zoning code on certain parcels. Check with the appropriate local jurisdiction for more information. Note, where local discretion is limited to design review, the project may not be subject to CEQA. (See McCorkle Eastside Neighborhood Group v. City of St. Helena (2019) 31 Cal.App.5th 80.)

APPENDIX B – STEPS FOR SCAG MODEL ADJUSTMENTS

Steps to Recalculate Average VMT:

1. Run the SCAG model with desired network and SED data
2. Compile Population and Total Employment by each TAZ from SED
3. Use peak and off-peak person trip matrices by trip purpose and combine into daily person trips. These matrices are saved in \msplit\Outputs\. The files are "PK_HBWD_HAUPAdTrips.mtx", "HBWS_IS_PK_Trips.mtx, "PK_HBSC_HAUPAdTrips.mtx", "PK_HBSH_HAUPAdTrips.mtx", "PK_HBCU_HAUPAdTrips.mtx", "PK_HBO_HAUPAdTrips.mtx", "PK_HBSP_HAUPAdTrips.mtx", "PK_HBSR_HAUPAdTrips.mtx", "PK_WBO_HAUPAdTrips.mtx", "PK_OBO_HAUPAdTrips.mtx", and similarly for off-peak.
4. Use the occupancy factors used in the model for each trip purpose to convert the daily person trips to vehicle trips.
5. Use lengths from the respective Skim matrices and multiply to the daily vehicle trips for Drive Alone, Carpool 2, and Carpool 3+ trips to compute daily VMT by purpose. These skim matrix files are “SPMATPK_DA_Tier1.mtx”, “SPMATPK_SR2_Tier1”, “SPMATPK_SR3_Tier1”, and similarly for off-peak.
6. Extract the daily VMT sum of productions by each TAZ and by trip purpose.
7. Extract the daily VMT sum of attractions by each TAZ and by trip purpose.
8. Combine the sum of productions by each TAZ for all the Home-Based trip purposes, i.e. “HBWD”, ”HBWS”, ”HBOALL”, ”HBSH”, ”HBSP”, ”HBSC”, ”HBCU”. This will be the Residential VMT for internal auto trips.
9. Combine the sum of attractions by each TAZ for only the Home-Based-Work trip purposes, i.e. “HBWD”, ”HBWS”. This will be the Work VMT for internal auto trips.
10. Since person trips are internal trips, the internal share for the SED data needs to be computed for each TAZ. Use vehicle trips from the Origin-Destination tables, the files are “AM_OD.mtx”, “PM_OD.mtx”, “MD_OD.mtx”, ”, “EVE_OD.mtx”, “NT_OD.mtx”. Combine these vehicle trips to daily trips.
11. Extract daily OD trips sum of productions separately for the internal and external vehicle trips.
12. Extract daily OD trips sum of attractions separately for the internal and external vehicle trips.
13. Multiply the share of internal trips from the OD trips to the population and employment data to get appropriate SED for the efficiency matrix.
14. Use the VMT sum of productions and attraction and internal share of the SED by each TAZ to determine Residential VMT per Capita and HBW VMT per Employee average rates at the City, County, or Regionwide levels.

APPENDIX C – CITY OF EL SEGUNDO TRANSPORTATION DEMAND MANAGEMENT (TDM) MEASURES

City of El Segundo Transportation Demand Management (TDM) Measures					
#	**TDM Measure**	**Description**	**TDM Type**	**Max VMT Reduction**	**VMT Reduction Type**
Transit Strategies					
1	Reduce Transit Headways	Makes transit service more appealing by reducing headways, reducing overall transit trip time, and encouraging riders to switch from auto to transit use.	Incentive / Infrastructure	2.5%	All
2	Transit Rerouting	Coordinate with local transit agency to provide or reroute existing transit services near the site	Infrastructure	3%	All
3	Transit Stops	Coordinate with local transit agency to provide bus stop near the site. Real time transportation information displays support on-the-go decision making to support sustainable trip making. Only get a reduction on a non-HQT line, cannot get both.	Infrastructure	2%	All
4	Safe and Well-Lit Access to Transit	Enhance the route for people walking or bicycling to nearby transit (typically off-site). Provide Emergency 911 phones along these routes to enhance safety.	Infrastructure	2%	All
5	Implement Neighborhood Shuttle	Implement project-operated or project-sponsored neighborhood shuttle serving residents, employees, and visitors of the project site	Incentive	13.4%	All
6	Transit Subsidies	Involves the subsidization of transit fare for residents and employees of the project site. This strategy assumes transit service is already present in the project area.	Incentive	10%	All
Communication & Information Strategies					
7	Required Travel Behavior Change Program	Involves the development of a travel behavior change program that targets individuals' attitudes, goals, and travel behaviors, educating participants on the impacts of their travel choices and the opportunities to alter their habits. Provide a web site that allows employees to research other modes of transportation for commuting. Employee-focused travel behavior change program that targets individuals attitudes, goals, and	Incentive	4%	All

City of El Segundo Transportation Demand Management (TDM) Measures					
#	**TDM Measure**	**Description**	**TDM Type**	**Max VMT Reduction**	**VMT Reduction Type**
		travel behaviors, educating participants on the impacts of their travel choices and the opportunities to alter their habits.			
8	Promotions & Marketing	Involves the use of marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. Marketing and public information campaign to promote awareness of TDM program with an on-site coordinator to monitor program.	Incentive		All
9	Required Commute Trip Reduction Program	Employee-focused travel behavior change program that targets individuals attitudes, goals, and travel behaviors, educating participants on the impacts of their travel choices and the opportunities to alter their habits.	Incentive		Commute
10	On-site TDM Program Manager and TDM Marketing Materials		Infrastructure		All
11	Commute Assistance Center	Provide a computer kiosk that allows employees to research other modes of transportation for commuting.	Infrastructure		All
Commuting Strategies					
12	Employer Sponsored Vanpool or Shuttle	Implementation of employer-sponsored employee vanpool or shuttle providing new opportunities for access to connect employees to the project site.	Incentive / Infrastructure	13.4%	Commute
13	Preferential Carpool / Vanpool Parking Spaces	Reserved carpool / vanpool spaces closer to the building entrance.	Infrastructure	10%	All
14	Passenger Loading Zones for Carpool / Vanpool	Provide easy access for carpools or vanpools.	Infrastructure	5%	All
15	On-site Carts or Shuttles or bikes	Provide on-site cart or shuttle for employees to travel across campus.	Incentive / Infrastructure	4%	All

City of El Segundo Transportation Demand Management (TDM) Measures					
#	**TDM Measure**	**Description**	**TDM Type**	**Max VMT Reduction**	**VMT Reduction Type**
16	Emergency Ride Home (ERH) Program	Provides an occasional subsidized ride to commuters who use alternative modes. Guaranteed ride home for people if they need to go home in the middle of the day due to an emergency or stay late and need a ride at a time when transit service is not available. This supplemental to the other trip reduction strategies.	Incentive	9%	Commute
17	Alternative Work Schedule	Flextime, Compressed Work Week (CWW), and staggered shifts	Incentive	15%	Commute
18	Telework (Telecommuting, Distance-Learning, etc.)	Use of telecommunications as a substitute for physical travel.	Incentive	22%	Commute
19	On-site Childcare	Provides on-site childcare to remove the need to drive a child to daycare at a separate location.	Infrastructure	2%	All
Shared Mobility Strategies					
20	Ride-Share Program	Increases vehicle occupancy by providing ride-share matching services, designating preferred parking for ride-share participants, designing adequate passenger loading/unloading and waiting areas for ride-share vehicles, and providing a website or message board to connect riders and coordinate rides. Need a point person form the business on-site	Incentive	5%	Commute
21	Car Share	Implement car sharing to allow people to have on-demand access to a vehicle, as-needed. This may include providing membership to an existing program located within 1/4 mile, contracting with a third-party vendor to extend membership-based service to an area, or implementing a project-specific fleet that supports the residents and employees on -site.	Incentive		All
		Provide an on-site car vehicle for employees who use alternative transportation to commute to work, to use for short trips during the	Incentive		Commute

City of El Segundo Transportation Demand Management (TDM) Measures					
#	TDM Measure	Description	TDM Type	Max VMT Reduction	VMT Reduction Type
		workday. For example, this allows for employees to run errands or travel for lunch.			
22	Designated Parking Spaces for Car Share Vehicles	Reserved car share spaces closer to the building entrance.	Infrastructure		All
23	School Carpool Program	Implements a school carpool program to encourage ride-sharing for students.	Incentive	15.8%	School
Bicycle Infrastructure Strategies					
24	Bike Share	Implement bike share to allow people to have on-demand access to a bicycle, as-needed.	Incentive Infrastructure	0.25%	All
25	Implement/Improve On-street Bicycle Facility	Implements or provides funding for improvements to corridors and crossings for bike networks identified within a one-half mile buffer area of the project boundary, to support safe and comfortable bicycle travel.	Infrastructure	0.625%	All
26	Include Bike Parking per City Code	Implements long-term bicycle parking to support safe and comfortable bicycle travel by providing parking facilities at destinations	Infrastructure	3%	All
27	Include Secure Bike Parking and Showers in excess of City Code	Implements additional end-of-trip bicycle facilities to support safe and comfortable bicycle travel.	Infrastructure		
28	Bicycle Repair Station / Services	On-site bicycle repair tools and space to use them supports on-going use of bicycles for transportation.	Infrastructure		
Neighborhood Enhancement Strategies					
29	Traffic Calming Improvements	Implements traffic calming measures throughout and around the perimeter of the project site that encourage people to walk, bike, or take transit within the development and to the development from other locations.	Infrastructure	1%	All

City of El Segundo Transportation Demand Management (TDM) Measures					
#	**TDM Measure**	**Description**	**TDM Type**	**Max VMT Reduction**	**VMT Reduction Type**
30	Pedestrian Network Improvements	Implements pedestrian network improvements throughout and around the project site that encourages people to walk.	Infrastructure	2%	All
Parking Strategies					
31	Reduce Parking Supply	Changes on-site parking supply to provide less than the amount required by municipal code. Permitted reductions could utilize mechanisms such as TOC, Density Bonus, Bike Parking ordinance, or locating in a Specific Plan Area.	Infrastructure	10%	All
32	Parking Cash-Out	Provide employees a choice of forgoing current parking for a cash payment to be determined by the employer. The higher the cash payment, the higher the reduction.	Incentive	5%	Commute
33	Price Workplace Parking	Implements workplace parking pricing for employees at employment locations for all land-use contexts and all types of development that include employment where trips originate at home and terminate at work.	Incentive	10%	Commute
34	Residential Area Parking Permits	Implementation of residential permit parking zones for long-term use of on-street parking in residential areas.	Incentive	0.25%	All
35	Parking Management Strategies	Strategies to encourage efficiency in parking facilities and improve the quality of service to parking users.	Incentive	5%	Valet
Mi**scellaneous Strategies**					
36	Virtual Care Strategies for Hospitals	Resources to allow patients to access healthcare services or communicate with healthcare staff through online or off-site programs.	Infrastructure	6%	Hospital / MOB Visitors
37	On-site Affordable Housing	Provides on-site affordable housing close to TOD or work place/business	Land Use	4%	All
38	Delivery Services	Provide delivery services by bicycle, on foot, or in a delivery vehicle that makes multiple stops.	Incentive	1%	All

Traffic Study

for:

650 N Pacific Coast Highway Project

In the City of El Segundo

January 2021

Kimley»Horn

TRAFFIC STUDY
FOR THE PROPOSED
650 N PACIFIC COAST HIGHWAY PROJECT
IN THE CITY OF EL SEGUNDO

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January 2021

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Appendix A Scoping Agreement
Appendix B Traffic Data Collection Sheets
Appendix C Intersection Analysis Worksheets
Appendix D Intersection Analysis Worksheets – with Improvements

TRAFFIC STUDY
FOR THE PROPOSED
650 N PACIFIC COAST HIGHWAY PROJECT
IN THE CITY OF EL SEGUNDO

INTRODUCTION

Purpose and Study Objectives

This traffic study has been prepared to address the traffic-related effects of the proposed 650 North Pacific Coast Highway project in the City of El Segundo. This traffic study has been conducted in accordance with the City of El Segundo traffic study requirements, which follow the Los Angeles County Congestion Management Program (CMP).

This report includes a description of existing traffic conditions in the surrounding area, estimated project trip generation and distribution, future traffic growth, and an assessment of the project-related effects on the roadway system. Where necessary, circulation system improvements have been identified to mitigate project effects at the study locations.

Project Overview

The project site is located in the north-central portion of the City of El Segundo, in the County of Los Angeles. The project site is located at 650 and 700 N Pacific Coast Highway (Buildings A and B, respectively) and 737 Lairport Street/Carl Jacobson Way (Building D). The site is shown in its regional setting on Figure 1. The site is currently bounded by Pacific Coast Highway to the west, Maple Avenue to the north, Lairport Street to the east, and Mariposa Avenue to the south. A copy of the project site plan is provided on Figure 2.

The project applicant proposes to renovate and perform minor alternations to buildings A and B and demolish the existing surface parking lot to construct a 122,156 square-foot office building (Building C) with a 1,185-space parking structure, and 71 surface parking spaces for a total of 1,256 parking spaces. In addition, the Project will consolidate the seven parcels of land into a single 7.258-acre ground parcel through the proposed Vesting Tentative Parcel Map No. 83129. The gross square footages for each building in the Project are as follows:

- Building A: 99,916 square-feet of floor area (net addition of 1,031 square feet from existing 98,885 square-feet)
- Building B: 65,120 square-feet of floor area (net reduction of 4,572 square feet from existing 69,692 square-feet)
- Building C: 122,156 gross square feet, with an integrated 1,185-space parking structure
- Building D: 16,652 square-feet of floor area (no proposed changes)

Vehicular access provisions for the project would consist of two existing driveways: two right-in-right-out (RIRO) only driveways on N Pacific Coast Highway. All project driveways would remain unsignalized. The driveway on Mariposa Avenue is intended for Emergency Vehicle access only.

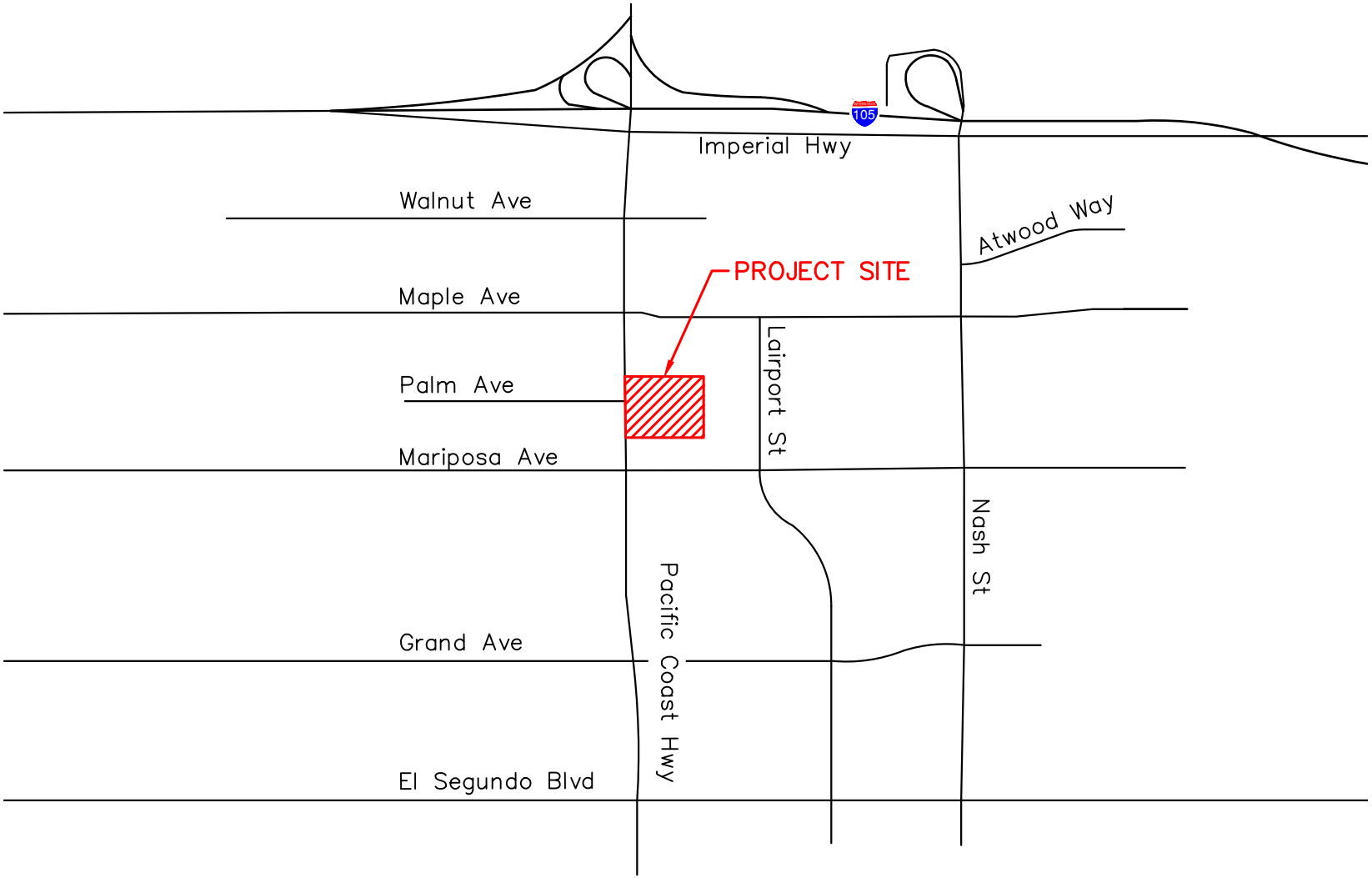

FIGURE 1
VICINITY MAP

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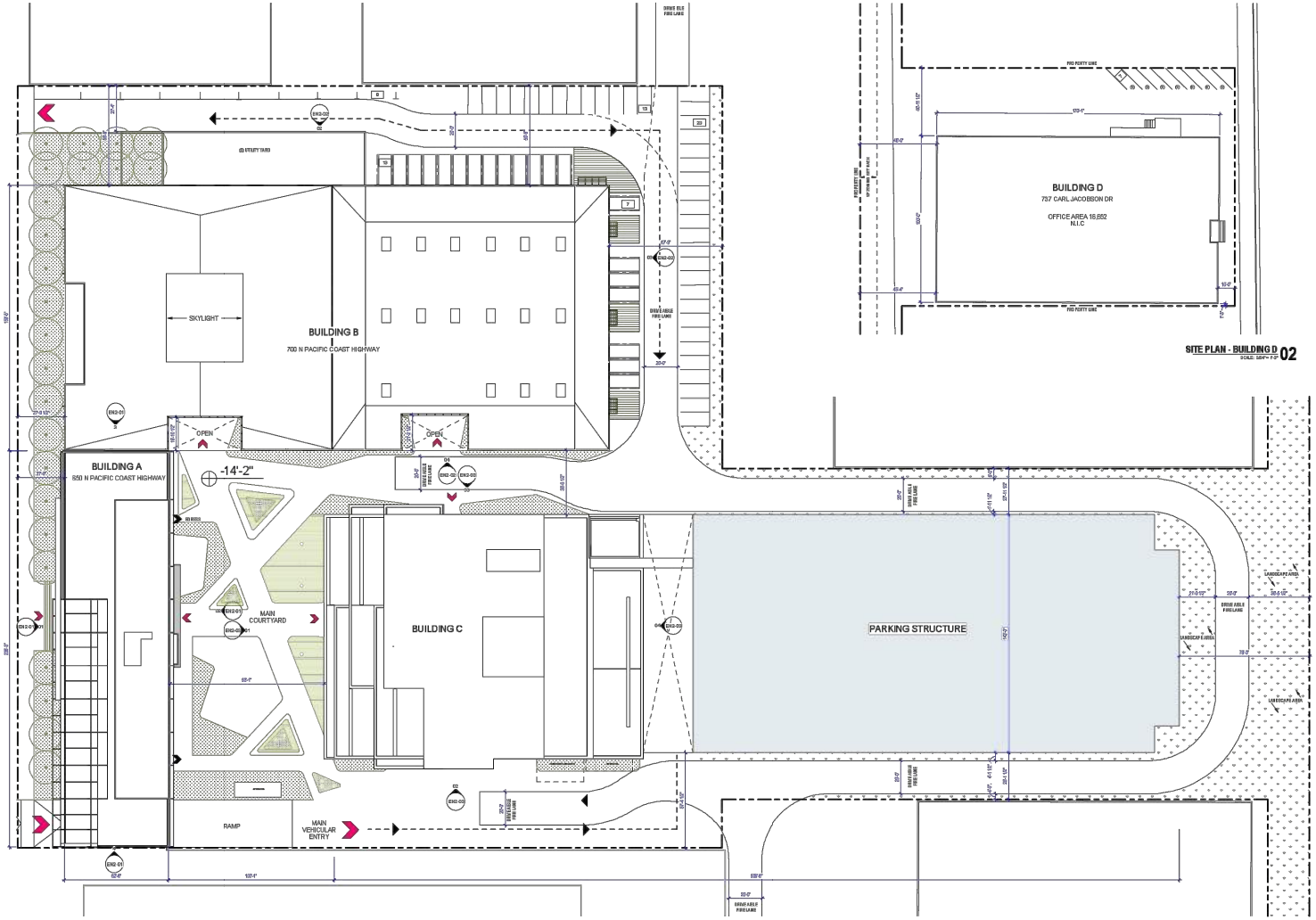


FIGURE 2
SITE PLAN

ANALYSIS SCENARIOS AND METHODOLOGY

Analysis Scenarios

In accordance with the Los Angeles County CMP guidelines, the project will be evaluated in the morning and afternoon peak hours for the following conditions:

- Existing Conditions
- Existing Conditions Plus Project
- Opening Year 2023 Cumulative Base
- Opening Year 2023 Cumulative Base Plus Project

Study Locations

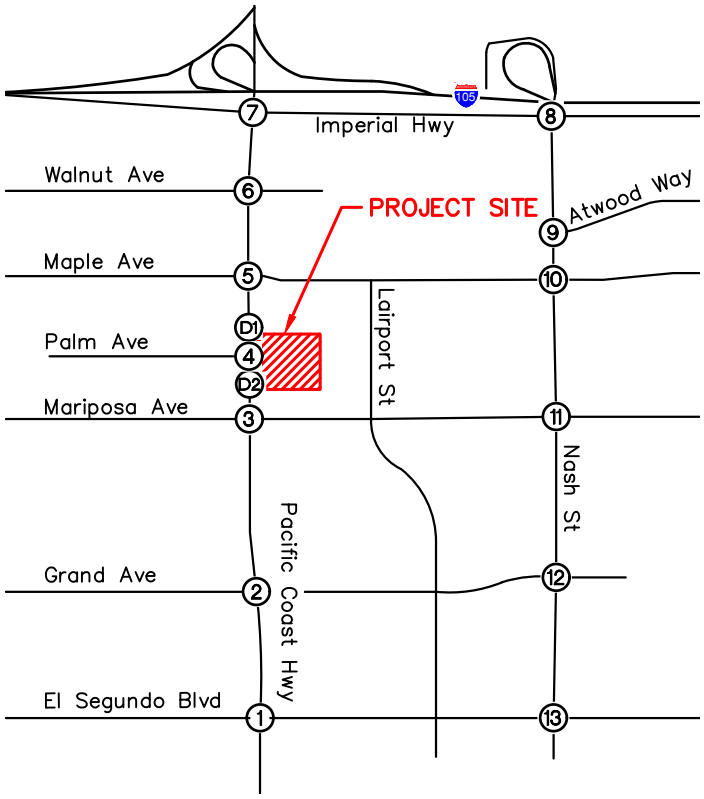
The study locations were established in consultation with County staff through the Scoping Agreement process. A copy of the Scoping Letter is provided in *Appendix A*.

Study Intersections:

1. N Pacific Coast Highway at El Segundo Boulevard
2. N Pacific Coast Highway at Grand Avenue
3. N Pacific Coast Highway at Mariposa Avenue
4. N Pacific Coast Highway at Palm Avenue
5. N Pacific Coast Highway at Maple Avenue
6. N Pacific Coast Highway at Walnut Avenue
7. N Pacific Coast Highway at Imperial Highway
8. N Nash Street at Imperial Highway
9. N Nash Street at Atwood Way
10. N Nash Street at Maple Avenue
11. N Nash Street at Mariposa Avenue
12. N Nash Street at Grand Avenue
13. N Nash Street at El Segundo Boulevard

D1. N Pacific Coast Highway at Northern Driveway
D2. N Pacific Coast Highway at Southern Driveway

Existing lane configurations and traffic control at the study intersections are shown on Figure 3.



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LEGEND:

- X = Study Intersection
- = Turn or Through Lane
- = Signal
- D = Defacto Right Turn
- OV = Right Turn Overlap

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
6. N Pacific Coast Hwy at Walnut Ave	7. N Pacific Coast Hwy at Imperial Hwy	8. N Nash St at Imperial Hwy	9. N Nash St at Atwood Way	10. N Nash St at Maple Ave
11. N Nash St at Mariposa Ave	12. N Nash St at Grand Ave	13. N Nash St at El Segundo Blvd	D1. N Pacific Coast Hwy at Northern Driveway	D2. N Pacific Coast Hwy at Southern Driveway

FIGURE 3
EXISTING LANE CONFIGURATION AND TRAFFIC CONTROL

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Intersection Analysis – HCM Methodology

In accordance with the Los Angeles County Transportation Authority Congestion Management Program (CMP), signalized intersection operation is evaluated using the Intersection Capacity Utilization (ICU) methodology, which provides a comparison of the theoretical hourly vehicular capacity of an intersection to the number of vehicles actually passing through that intersection during a given hour. The ICU calculations assume a per-lane capacity of 1,600 vehicles per hour (vph) with a clearance interval of 0.1. Intersection analysis for unsignalized intersections is evaluated using the Highway Capacity Manual (HCM) methodology, which returns a delay value, expressed in terms of average seconds of delay per vehicle.

Operating conditions for both ICU and HCM methodologies are expressed in terms of "Level of Service" which is also referred to by its acronym, LOS. The ICU calculation returns a volume-to-capacity (V/C) ratio that translates into a corresponding Level of Service, ranging from LOS A, representing uncongested, free-flowing conditions; to LOS F, representing congested, over-capacity conditions.

A summary description of each Level of Service and the corresponding volume/capacity (v/c) ratio or delay is provided on the chart below.

LEVEL OF SERVICE DESCRIPTIONS			
Level of Service	Signalized: ICU	Unsignalized: HCM [1]	Description
	V/C Ratio	Delay (sec)	
A	0.00 - 0.60	≤10	EXCELLENT – No vehicle waits longer than one red light, and no approach phase is fully used.
B	0.61 - 0.70	> 10 and ≤ 15	VERY GOOD – An occasional approach phase is fully utilized; drivers begin to feel somewhat restricted within groups of vehicles.
C	0.71 - 0.80	> 15 and ≤ 25	GOOD – Occasionally, drivers may have to wait through more than one red light; back-ups may develop behind turning vehicles.
D	0.81 - 0.90	> 25 and ≤ 35	FAIR – Delays may be substantial during portions of the rush hours, but enough lower volume periods occur to permit clearing of developing lines, preventing excessive back-ups.
E	0.91 - 1.00	> 35 and ≤ 50	POOR – Represents the most vehicles that the intersection approaches can accommodate; may be long lines of waiting vehicles through several signal cycles.
F	> 1.00	> 50	FAILURE – Back-ups from nearby locations or on cross streets may restrict or prevent movement of vehicles out of the intersection approaches. Tremendous delays with continuously increasing queue lengths.

LOS = Level of Service; ICU = Intersection Capacity Utilization; HCM = Highway Capacity Manual; V/C = volume-to-capacity
[1]Source: Source: Highway Capacity Manual, 6th Edition

Performance Criteria

The City of El Segundo Level of Service standard for peak hour intersection operation is Level of Service "D". Intersections on an LA County CMP facility establish Level of Service "E" as acceptable during the peak hours.

Significance Thresholds

For non-CMP intersections, if traffic caused by a development project is forecast to result in an intersection Level of Service change from LOS D or better to LOS E or F, the development effect shall be considered significant. If a development project is forecast to result in the increase of intersection volume/capacity ratio (V/C) of 0.02 or greater at any intersection that is forecast to operate at LOS E or F, the effect shall be considered significant.

For CMP intersections, a project-related traffic effect would be considered significant when the addition of project traffic increases traffic demand on a CMP facility by 2% of capacity (V/C ≥ 0.02), causing LOS F (V/C ≥ 1.0). If the facility is already at LOS F, a significant effect occurs when the proposed project increases traffic demand on a CMP facility by 2% of capacity (V/C ≥ 0.02).

EXISTING CONDITIONS

Existing Roadway Network

Pacific Coast Highway is an 8-Lane divided roadway with a raised median. The posted speed limit is 40 miles per hour (mph). Sidewalks are provided on both sides of the roadway. Pacific Coast Highway is classified as a State Route in the LA County CMP.

Imperial Highway is a 6-Lane divided roadway with a raised median. The posted speed limit is 40 mph. Class II Bicycle lanes and sidewalks are provided on both sides of the roadway. Imperial Highway is classified as a Primary Arterial in the LA County CMP.

Grand Avenue is a 4-Lane divided roadway with a raised median. The posted speed limit is 35 mph. Sidewalks are provided on both sides of the roadway. Grand Avenue is classified as a Primary Arterial in the LA County CMP.

El Segundo Boulevard is a 6-Lane divided roadway with a raised median. The posted speed limit is 35 mph. Sidewalks are provided on both sides of the roadway.

Existing Traffic Volumes

Existing morning and evening peak hour turning movement counts for the study intersections were used from both historical counts and a previous traffic analysis report completed in 2018 from an adjacent project and grown to Existing Year 2020. Historical morning and evening peak period traffic counts were utilized due to the closure of businesses and school amid the COVID-19 pandemic. The counts at the following intersections were obtained from a previous traffic analysis report completed in 2018 from an adjacent project:

- N Pacific Coast Highway at El Segundo Boulevard
- N Pacific Coast Highway at Grand Avenue
- N Pacific Coast Highway at Mariposa Avenue
- N Pacific Coast Highway at Palm Avenue
- N Pacific Coast Highway at Maple Avenue
- N Pacific Coast Highway at Walnut Avenue
- N Pacific Coast Highway at Imperial Highway

Recent historical counts were available at the following intersections:

- N Nash Street at Imperial Highway (2019)
- N Nash Street at Maple Avenue (2017)
- N Nash Street at Mariposa Avenue (2019)
- N Nash Street at Grand Avenue (2016)
- N Nash Street at El Segundo Boulevard (2019)

New traffic counts were collected at the following intersections on December 9th, 2020:

- N Nash Street at Atwood Way
- N Nash Street at Maple Avenue
- N Nash Street at Mariposa Avenue
- N Nash Street at Grand Avenue

Based on a comparison of historical counts to new counts, a factor of 1.56 was applied to counts collected in December 2020 to account for Covid-19 for intersections where recent historical counts were not available.

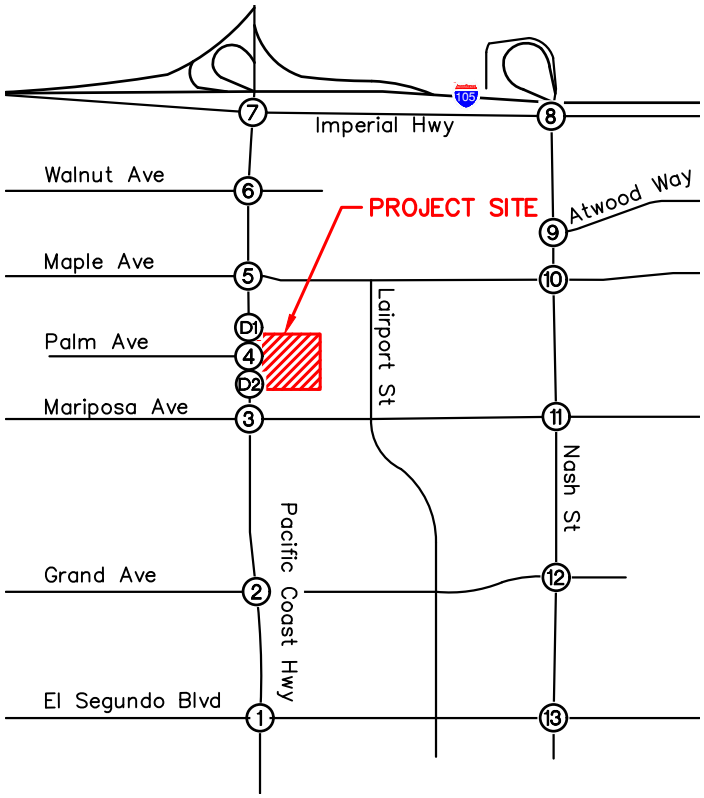
Morning and evening peak hour traffic volumes are shown on Figure 4. Copies of the traffic count data worksheets are provided in Appendix B.

Existing Operating Conditions

Intersection Level of Service analysis was conducted for the morning and evening peak hours using the analysis procedures and assumptions described previously in this report. The results are shown on Table 1. Review of this table indicates that the following study intersection operates at an unacceptable Level of Service:

- #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
- #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F

Copies of the intersection analysis worksheets are provided in *Appendix C*.



NOT TO SCALE

LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
102/88 ← 1128/2539 ← 235/215 → 185/287 → 357/365 → 175/458 92/110 → 338/521 → 281/530 ↘ 430/323 ↑ 2533/1417 ↑ 372/264	178/132 ← 1292/2282 ← 399/106 → 57/308 → 53/167 → 33/339 122/237 → 166/143 → 76/159 ↘ 137/150 ↑ 2168/1653 ↑ 435/126	72/78 ← 2007/2419 ← 235/225 → 90/234 → 101/238 → 54/124 94/109 → 188/227 → 55/43 ↘ 78/139 ↑ 2330/2003 ↑ 105/147	29/31 ← 2307/2744 2/8 → 21/11 ↘ 3/2 ↑ 2565/2359 ↑	57/38 ← 2256/2623 ← 114/90 → 43/141 → 52/95 → 38/125 87/73 → 103/57 → 44/42 ↘ 71/117 ↑ 2228/2283 ↑ 170/55
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
211/80 ← 2395/2631 ← 64/37 → 20/55 → 12/12 → 13/52 68/150 → 30/38 → 24/85 ↘ 74/50 ↑ 2219/2410 ↑ 71/26	10/16 ← 2318/2354 ← 426/636 → 460/428 → 331/283 → 219/144 203/154 → 283/396 → 150/211 ↘ 90/173 ↑ 1781/1591 ↑ 452/866	418/201 ← 794/216 ← 378/91 ← 871/616 ← 318/29 633/1021 → 115/74 ↘ 41/94 ↑ 73/234 ↑	2/0 ← 788/279 ← 8/47 → 9/2 → 6/8 84/126 ↑ 83/526 ↑	183/48 ← 843/334 ← 83/68 → 23/17 → 169/79 → 40/28 68/113 → 118/262 → 38/43 ↘ 45/29 ↑ 302/677 ↑ 43/103
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
198/90 ← 496/246 ← 68/71 → 27/36 → 222/271 → 35/36 87/223 → 227/544 → 43/54 ↘ 29/38 ↑ 300/552 ↑ 61/152 ↑	372/153 ← 194/205 ← 44/51 → 34/38 → 25/35 → 22/41 108/495 → 38/110 → 58/340 ↘ 156/24 ↑ 145/176 ↑ 35/30 ↑	33/65 ← 75/13 ← 131/372 → 347/151 → 1462/803 → 332/31 73/56 → 565/1460 → 28/6 ↘ 3/17 ↑ 16/59 ↑ 11/152 ↑	2338/2790 ← 19/114 2567/2455 ↑ 50/9 ↑	2328/2755 ← 8/49 2568/2361 ↑ 118/22 ↑

FIGURE 4
EXISTING TRAFFIC VOLUMES

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TABLE 1
SUMMARY OF INTERSECTION OPERATION
EXISTING CONDITIONS

ICU Methodology

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			V/C	LOS	V/C	LOS
1	N Pacific Coast Hwy at El Segundo Blvd	S	0.872	D	1.099	**F**
2	N Pacific Coast Hwy at Grand Ave	S	0.800	C	0.876	D
3	N Pacific Coast Hwy at Mariposa Ave	S	0.731	C	0.823	D
5	N Pacific Coast Hwy at Maple Ave	S	0.662	B	0.729	C
6	N Pacific Coast Hwy at Walnut Ave	S	0.616	B	0.690	B
7	N Pacific Coast Hwy at Imperial Hwy	S	0.977	E	1.183	**F**
8	N Nash St at Imperial Hwy	S	0.644	B	0.484	A
9	N Nash St at Atwood Way	S	0.353	A	0.338	A
10	N Nash St at Maple Ave	S	0.731	C	0.675	B
11	N Nash St at Mariposa Ave	S	0.467	A	0.600	A
12	N Nash St at Grand Ave	S	0.534	A	0.582	A
13	N Nash St at El Segundo Blvd	S	0.559	A	0.597	A

HCM Methodology

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
4	N Pacific Coast Hwy at Palm Ave	U	15.3	B	21.7	C
D1	N Pacific Coast Hwy at Northern Driveway	U	17.0	B	20.8	C
D2	N Pacific Coast Hwy at Southern Driveway	U	16.6	B	17.1	B

LOS shown in Bold and shaded indicates unacceptable Level of Service.
ICU = Intersection Capacity Utilization
HCM = Highway Capacity Manual
LOS = Level of Service
Intersection operation is expressed in volume-to-capacity (v/c) ratio for the ICU methodology.
Intersection operation is expressed in average seconds of delay (sec/veh) for the HCM methodology.

TRIP GENERATION

Proposed Project Trip Generation

Trip Generation estimates for the existing use and the proposed project are based on the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) trip rates for General Office Building (ITE Land Use 710). In addition to the existing use, the project is expected to generate 139 AM peak hour trips (119 inbound and 20 outbound), 135 PM peak hour trips (22 inbound and 114 outbound), and 1,155 daily trips. Trip generation estimates are shown on Table 2.

Project Trip Distribution and Assignment

Project trip distribution assumptions for the project site were developed based on the likely origins and destinations of patrons of the project. Trip distribution assumptions for the proposed project are shown on Figure 5. Trip distribution percentages at each study intersection were applied to the project trip generation to determine the project trips through each intersection. The resulting project-related peak hour trips are shown on Figure 6.

At the project driveways, additional trips were added to account for trips from existing uses and the trips from vehicles from adjacent parcels that could potentially utilize the parking structure.

EXISTING PLUS PROJECT CONDITIONS

The Existing Plus Project analysis scenario is a hypothetical scenario that assumes completion of the project and full absorption of the project traffic on the surrounding street network at the current time, with no other changes in traffic conditions.

The project-related peak hour trips were added to the existing peak hour volumes to evaluate Existing Plus Project conditions. The resulting traffic volumes are shown on Figure 7. Existing Plus Project intersection results are shown on Table 3. As this table indicates, the following study intersections would operate at an unacceptable Level of Service;

- #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
- #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F
- D1 – N Pacific Coast Highway at Northern Driveway: PM – LOS F

Intersection analysis worksheets are provided in *Appendix C*.

TABLE 2
SUMMARY OF PROJECT TRIP GENERATION
650 N PACIFIC COAST HIGHWAY PROJECT

Land Use	ITE Code	Unit	Trip Generation Rates [1]						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
General Office Building	710	KSF	9.740	0.998	0.162	1.160	0.184	0.966	1.150

Land Use	Quantity	Unit	Trip Generation Estimates						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Existing Use									
General Office Building	168.577	KSF	1,642	168	27	195	31	163	194
Total Existing Trips			1,642	168	27	195	31	163	194
Proposed Use									
General Office Building	287.192	KSF	2,797	287	47	334	53	277	330
Net Difference (Proposed Minus Existing)	118.615	KSF	1,155	119	20	139	22	114	136

[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition

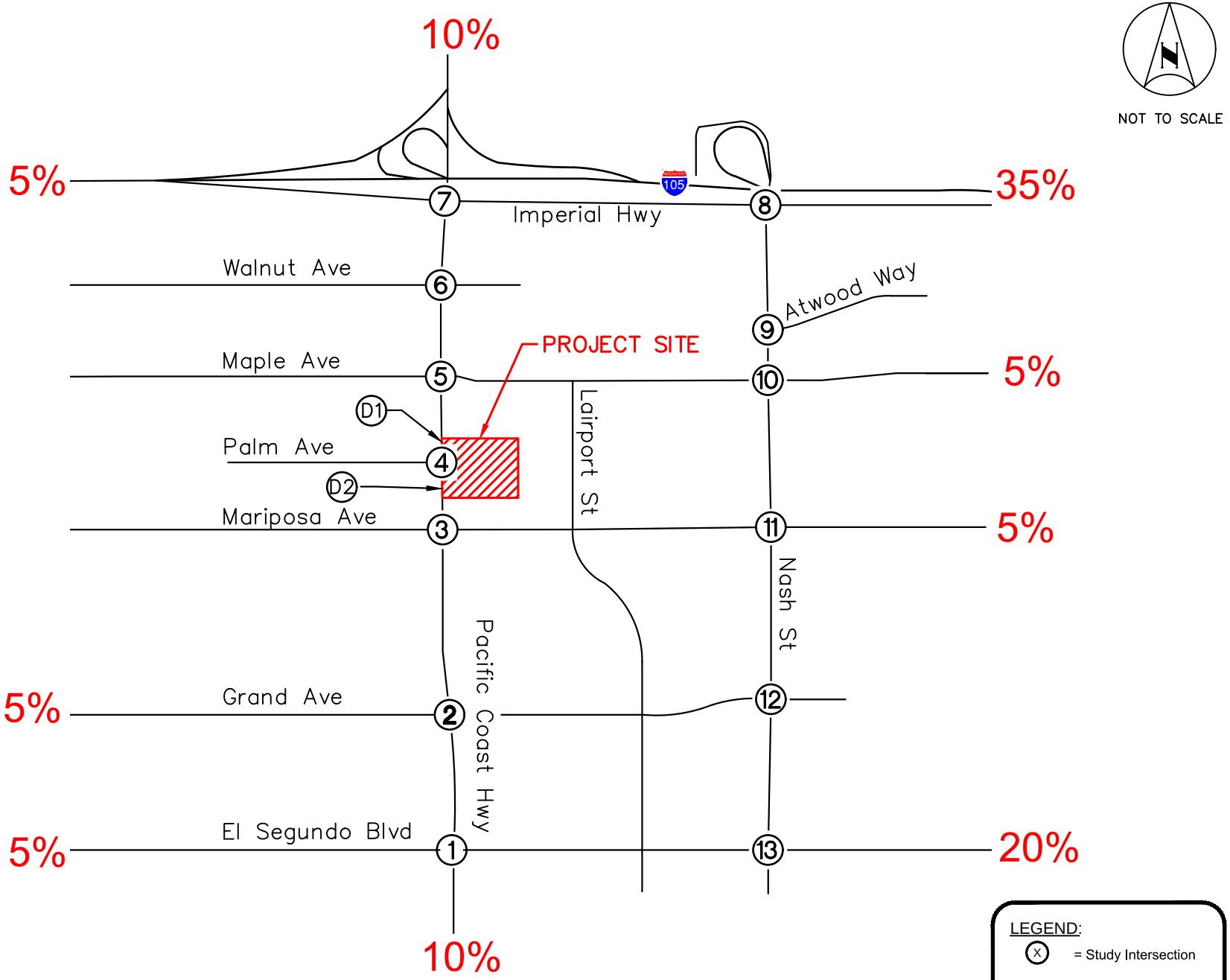
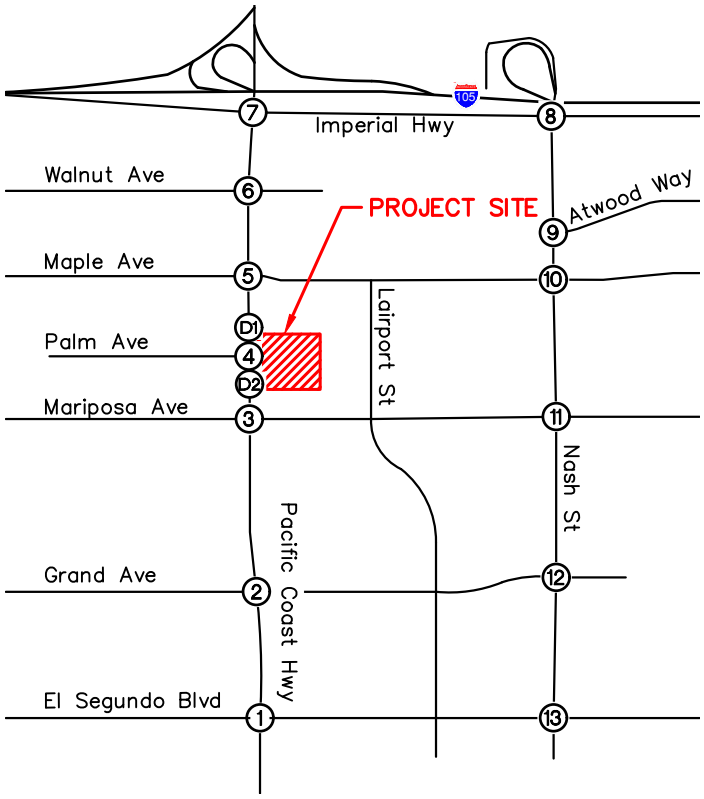


FIGURE 5
PROJECT TRIP DISTRIBUTION



NOT TO SCALE

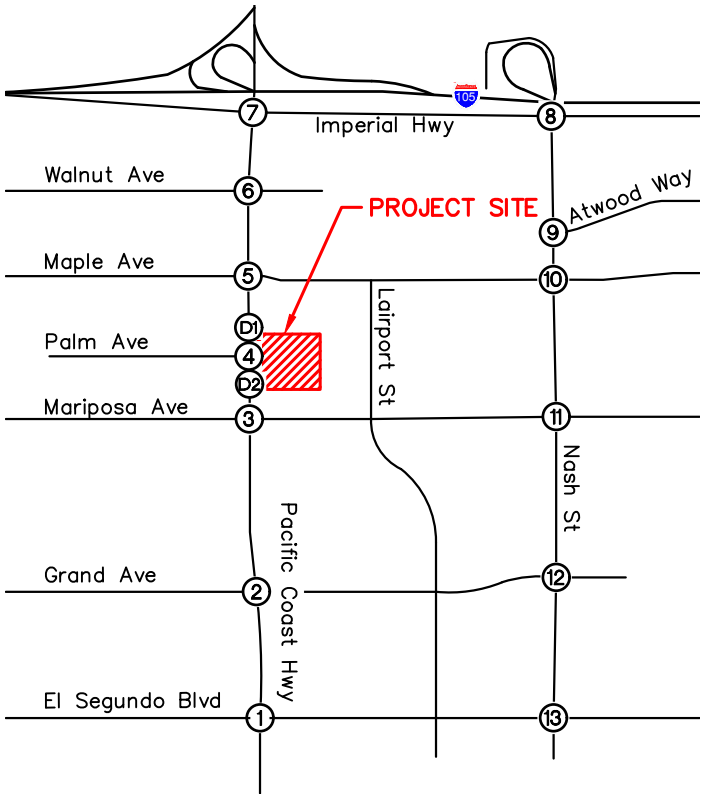
LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
1/6, 2/11, 24/4, 6/1, 12/2	1/6, 3/17, 6/1, 42/7	4/23, 60/11, 12/2, 48/8	64/34, 70/69	60/11, 4/23, 10/56, 6/35
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
60/11, 10/56	12/2, 42/8, 6/1, 1/6, 2/11, 7/39	42/8, 7/39	nom, nom	6/1, 1/6, 5/29
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
6/1, 4/23, 1/6, 6/1	4/23	4/23, 24/4	64/34, 10/56, 10/58, 60/11	64/34, 10/58, 60/11, 60/10

FIGURE 6
PROJECT-RELATED TRAFFIC VOLUMES



NOT TO SCALE

LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
103/94 ← 1130/2550 ← 235/215 → 209/291 ← 357/365 ← 175/458 98/111 → 338/521 → 281/530 → 430/323 ↑ 2545/1419 ↑ 372/264 ↑	179/138 ← 1295/2299 ← 399/106 → 57/308 ← 53/167 ← 33/339 128/238 → 166/143 → 76/159 → 137/150 ↑ 2210/1660 ↑ 435/126 ↑	72/78 ← 2011/2442 ← 235/225 ↘ 60/11 → 102/236 ← 101/238 ← 54/124 94/109 → 188/277 → 55/43 → 78/139 ↑ 2378/2011 ↑ 105/147 ↑	29/31 ← 2371/2778 2/8 → 21/11 → 3/2 ↑ 2635/2428 ↑	57/38 ← 2316/2634 ← 114/90 → 43/141 ← 52/95 ← 38/125 87/73 → 103/57 → 44/42 → 4/23 ↑ 71/117 ↑ 2238/2339 ↑ 176/90 ↑
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
211/80 ← 2455/2642 ← 64/37 → 20/55 ← 12/12 ← 13/52 68/150 → 30/38 → 24/85 → 74/50 ↑ 2229/2466 ↑ 71/26 ↑	10/16 ← 2330/2356 ← 426/636 → 460/428 ← 331/283 ← 261/152 203/154 → 283/396 → 156/212 → 91/179 ↑ 1783/1602 ↑ 459/905 ↑	418/201 ← 794/216 ← 378/91 → 913/624 ← 318/29 640/1060 → 115/74 → 41/94 ↑ 73/234 ↑	2/0 ← 788/279 ← 8/47 → 9/2 ← 6/8 84/126 ↑ 83/526 ↑	183/48 ← 843/334 ← 83/68 → 23/17 ← 169/79 ← 46/29 68/113 → 119/268 → 43/72 → 45/29 ↑ 302/677 ↑ 43/103 ↑
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
204/91 ← 500/269 ← 69/77 → 27/36 ← 228/272 ← 35/36 87/223 → 227/544 → 43/54 → 29/38 ↑ 300/552 ↑ 61/152 ↑	372/153 ← 198/228 ← 44/51 → 34/38 ← 25/35 ← 22/41 108/495 → 38/110 → 58/340 → 156/24 ↑ 145/176 ↑ 35/30 ↑	33/65 ← 75/13 ← 135/395 → 347/151 ← 1486/807 ← 332/31 73/56 → 565/1460 → 28/6 → 3/17 ↑ 16/59 ↑ 11/152 ↑	2402/2824 → 50/298 2577/2513 ↑ 237/44 ↑	2392/2789 → 39/235 2628/2372 ↑ 306/55 ↑

FIGURE 7
EXISTING PLUS PROJECT TRAFFIC VOLUMES

TABLE 3
SUMMARY OF INTERSECTION OPERATION
EXISTING PLUS PROJECT

ICU Methodology

Int. #	Intersection	AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Project	Effect	Without Project		With Project		Project	Effect
		V/C	LOS	V/C	LOS	Effect	Sig?	V/C	LOS	V/C	LOS	Effect	Sig?
1	N Pacific Coast Hwy at El Segundo Blvd	0.872	D	0.874	D	0.002	No	1.099	**F**	1.101	**F**	0.002	No
2	N Pacific Coast Hwy at Grand Ave	0.800	C	0.807	D	0.007	No	0.876	D	0.880	D	0.004	No
3	N Pacific Coast Hwy at Mariposa Ave	0.731	C	0.739	C	0.008	No	0.823	D	0.827	D	0.004	No
5	N Pacific Coast Hwy at Maple Ave	0.662	B	0.664	B	0.002	No	0.729	C	0.731	C	0.002	No
6	N Pacific Coast Hwy at Walnut Ave	0.616	B	0.625	B	0.009	No	0.690	B	0.692	B	0.002	No
7	N Pacific Coast Hwy at Imperial Hwy	0.977	E	0.977	E	0.000	No	1.183	**F**	1.207	**F**	0.024	Yes
8	N Nash St at Imperial Hwy	0.644	B	0.646	B	0.002	No	0.484	A	0.506	A	0.022	No
9	N Nash St at Atwood Way	0.353	A	0.353	A	0.000	No	0.338	A	0.338	A	0.000	No
10	N Nash St at Maple Ave	0.731	C	0.731	C	0.000	No	0.675	B	0.679	B	0.004	No
11	N Nash St at Mariposa Ave	0.467	A	0.472	A	0.005	No	0.600	A	0.604	A	0.004	No
12	N Nash St at Grand Ave	0.534	A	0.480	A	-0.054	No	0.582	A	0.589	A	0.007	No
13	N Nash St at El Segundo Blvd	0.559	A	0.564	A	0.005	No	0.597	A	0.604	A	0.007	No

HCM Methodology

Int. #	Intersection	AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Project	Effect	Without Project		With Project		Project	Effect
		Delay	LOS	Delay	LOS	Effect	Sig?	Delay	LOS	Delay	LOS	Effect	Sig?
4	N Pacific Coast Hwy at Palm Ave	15.3	B	16.2	B	0.9	No	21.7	C	21.7	C	0.0	No
D1	N Pacific Coast Hwy at Northern Driveway	17.0	B	18.5	B	1.5	No	20.8	C	90.6	**F**	69.8	Yes
D2	N Pacific Coast Hwy at Southern Driveway	16.6	B	19.5	B	2.9	No	17.1	B	38.6	D	21.5	No

LOS shown in Bold and shaded indicates unacceptable Level of Service.
ICU = Intersection Capacity Utilization
HCM = Highway Capacity Manual
LOS = Level of Service
Intersection operation is expressed in volume-to-capacity (v/c) ratio for the ICU methodology.
Intersection operation is expressed in average seconds of delay (sec/veh) ratio for the HCM methodology.

OPENING YEAR 2023 CUMULATIVE CONDITIONS

The project Opening Year is anticipated to be 2023. Opening Year 2023 Cumulative Base traffic forecasts have been developed by adding an ambient growth factor of 1.003 to existing traffic volumes. In addition to ambient growth, traffic from Cumulative Projects in the project vicinity were added to the Opening Year forecasts to develop Opening Year 2023 Cumulative Base conditions. Cumulative Projects consist of any project that has been approved and is not yet occupied, and projects that are in various stages of the application and approval process but have not yet been approved.

Information regarding Cumulative Projects in the area was obtained from the City of El Segundo Planning Department website. A summary of the Cumulative Projects, including the associated trip generation is provided on Table 4. The trip generation estimates for the Cumulative Projects were obtained from approved traffic studies, where available; and were developed by Kimley-Horn if approved traffic studies were not available. The locations of the Cumulative Projects are shown on Figure 8.

Trip distribution and assignment for the Cumulative Projects were obtained from approved traffic studies, where available; and were developed by Kimley-Horn if approved traffic studies were not available. Traffic volumes associated with the Cumulative Projects were compiled for each of the study intersections and are shown on Figure 9. The Cumulative Projects traffic volumes were added to the Opening Year 2023 traffic volumes. The resulting traffic volumes for Opening Year 2023 Cumulative Conditions are shown on Figure 10.

No planned intersection improvements are assumed to be in place for the Opening Year 2023 Cumulative Conditions analysis.

Opening Year 2023 Cumulative Base

The ambient growth was applied to the existing peak hour volumes to develop Year 2023 without Project traffic forecasts. The resulting traffic volumes are shown on Figure 10 (previously mentioned).

The results of the Year 2023 without Project intersection analysis are summarized on Table 5. Review of this table shows that, with the addition of ambient growth and cumulative traffic, the following study intersections would operate at an unacceptable Level of Service:

- #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
- #2 – N Pacific Coast Highway at Grand Avenue: PM – LOS F
- #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F

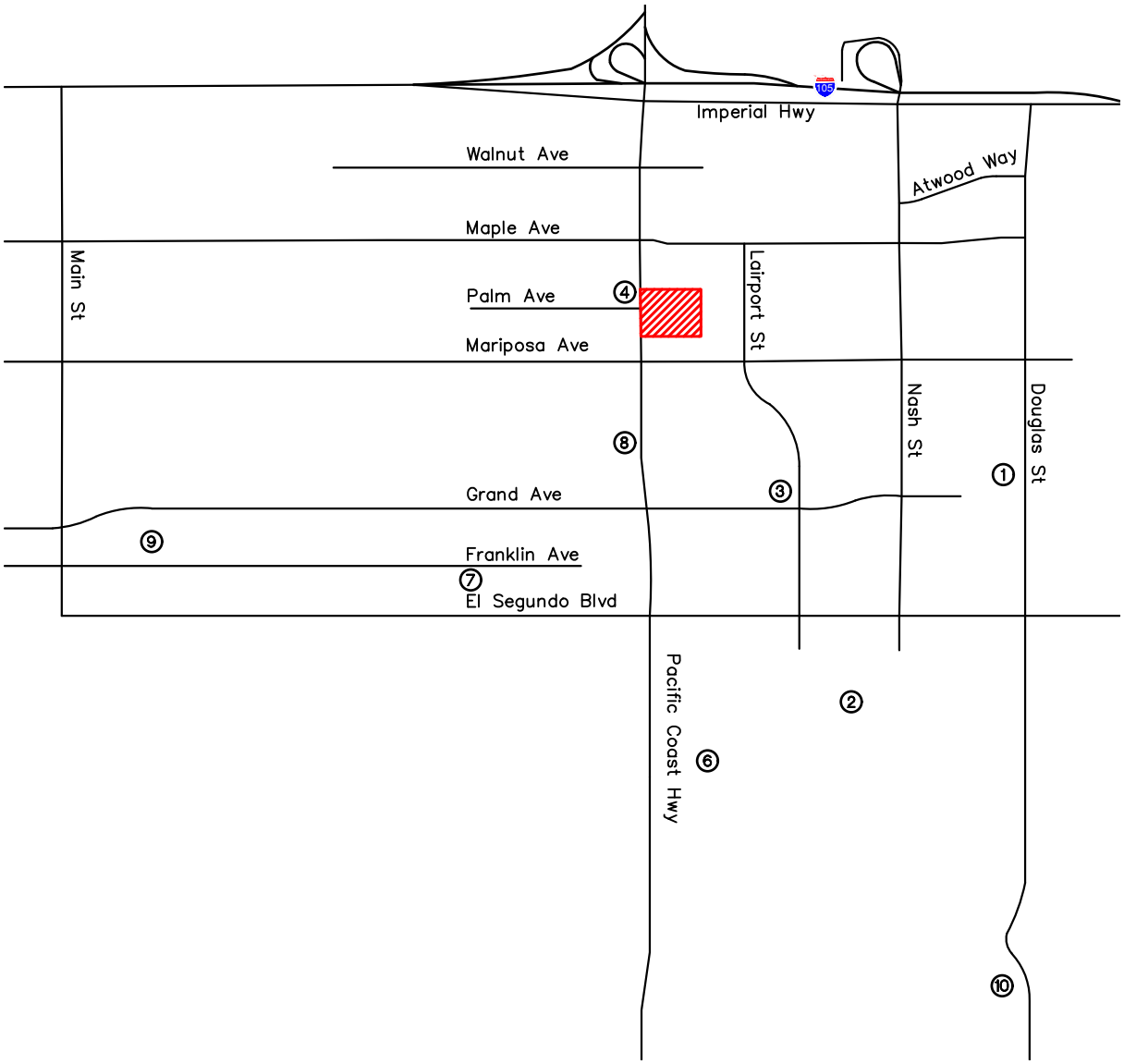
Intersection analysis worksheets are provided in *Appendix C*.

TABLE 4
SUMMARY OF CUMULATIVE PROJECTS

Proj #	Description	Land Use	Quantity	Units	Trip Generation Estimates						
						AM Peak Hour			PM Peak Hour		
					Daily	In	Out	Total	In	Out	Total
1	445 N Douglas Street	Data Center	155.664	KSF	154	9	8	17	4	10	14
2	2100 E El Segundo Boulevard	Shopping Center	7.200	KSF	272	4	3	7	13	14	27
		Walk-In Bank *	3.500	KSF	42	0	0	0	19	24	43
		High-Turnover (Sit-Down) Restaurant	9.000	KSF	1,010	49	40	89	55	33	88
		Fast-Food Restaurant w/o Drive-thru	7.300	KSF	2,527	110	73	183	103	103	206
		Medical-Dental Office Building	43.000	KSF	1,496	93	26	119	42	107	149
3	455 Continental Boulevard	Research and Development Center	300.000	KSF	3,378	95	32	127	22	125	147
		General Office Building	55.000	KSF	536	55	9	64	10	53	63
4	707 Pacific Coast Highway	Hotel	116	Room	970	32	22	54	35	34	69
5	2120 E Rosecrans Avenue	General Office Building	240.000	KSF	2,338	240	39	279	44	232	276
		Warehousing	66.000	KSF	115	9	3	12	3	9	12
		Shopping Center	7.000	KSF	264	4	2	6	13	14	27
6	400 S Pacific Coast Highway	Multipurpose Recreational Facility	71.000	KSF	254	0	0	0	140	114	254
7	140 Oregon Street	General Office Building	70.000	KSF	682	70	11	81	13	68	81
8	401 - 615 N Pacific Coast Highway	Multifamily Housing (Mid-Rise)	263	DU	1,431	25	70	95	70	45	115
		Shopping Center	11.000	KSF	415	6	4	10	20	22	42
		High-Turnover (Sit-Down) Restaurant	13.485	KSF	1,513	74	60	134	82	50	132
9	212 Eucalyptus Drive	High-Turnover (Sit-Down) Restaurant	13.485	KSF	1,513	74	60	134	82	50	132
10	2221 E Park Place	General Office Building	27.478	KSF	268	27	4	31	5	27	32
Total Project Trips					47,537	2,028	1,097	3,125	1,976	2,386	4,362

DU = Dwelling Unit, KSF = 1,000 square feet, FP = Fueling Position

NOT TO SCALE



LEGEND:

Ⓧ = Cumulative Project

FIGURE 8
LOCATION OF CUMULATIVE PROJECTS

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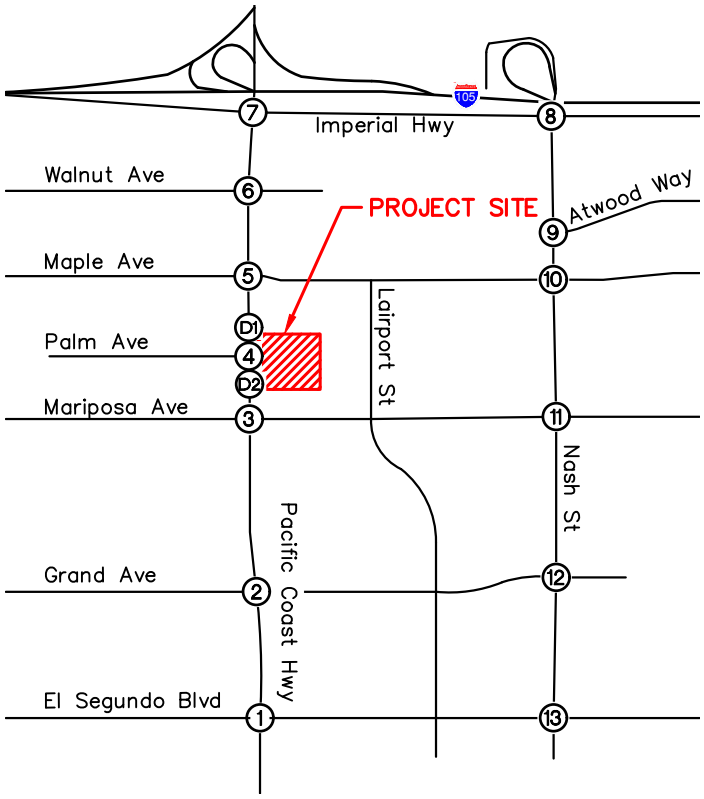
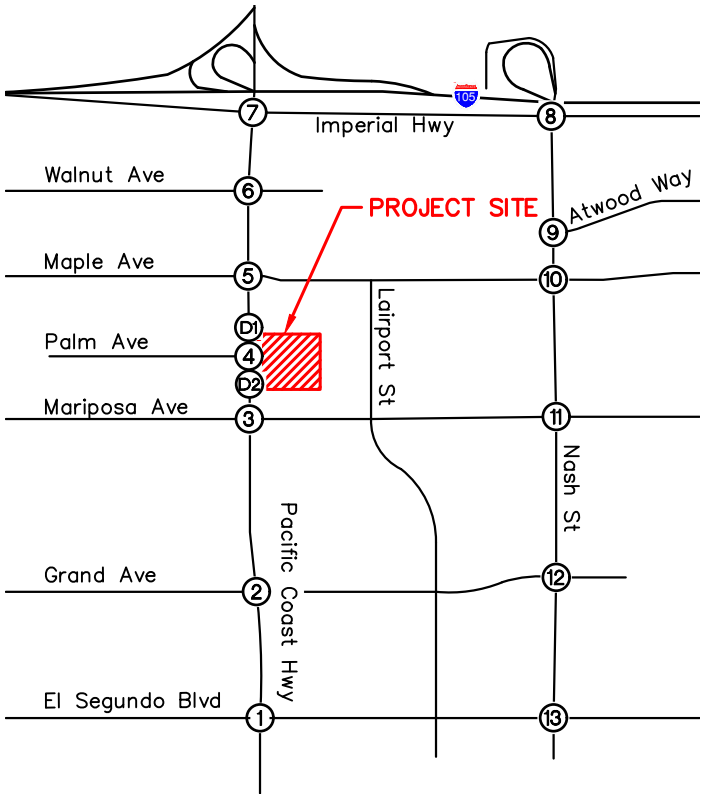


1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
13/12, 340/240, 167/151, 96/186, 25/30, 8/43, 11/17, 28/33, 3/48, 21/27, 253/340, 14/35	21/4, 577/305, 90/19, 25/107, 16/71, 3/20, 188/569, 60/13	668/315, 180/601	772/301, 9/14, 13/14, 179/655	721/294, 181/654
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
727/319, 178/659	715/266, 1/1, 18/22, 1/0, 51/31, 26/58, 138/646, 16/18	1/0, 20/24, 15/15		
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
		57/107, 77/70, 60/79, 26/23, 14/28, 43/84	772/301, 179/655	772/301, 179/655

FIGURE 9
CUMULATIVE PROJECTS TRAFFIC VOLUMES



NOT TO SCALE

LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
116/101 ← 1478/2802 ← 404/368 ↖ 283/476 ← 385/398 ← 185/505 ↙ 104/128 ↗ 369/559 → 287/583 ↘ 455/353 ↑ 2809/1770 ↑ 389/301	201/137 ← 1881/2608 ← 493/126 ↖ 83/418 ← 53/169 ← 49/413 ↙ 126/259 ↗ 167/144 → 77/160 ↘ 138/151 ↑ 2376/2237 ↑ 499/140	73/79 ← 2693/2756 ← 237/227 ↖ 91/236 ← 102/240 ← 54/125 ↙ 95/110 ↗ 190/229 → 55/43 ↘ 79/140 ↑ 2531/2622 ↑ 106/148	29/31 ← 3100/3070 ↖ 2/8 ↗ 30/25 ↘ 16/16 ↑ 2767/3035 ↑	58/38 ← 2997/2941 ← 115/91 ↖ 43/142 ← 52/96 ← 38/126 ↙ 88/74 ↗ 104/58 → 44/42 ↘ 72/118 ↑ 2429/2958 ↑ 172/55
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
213/81 ← 3144/2974 ← 65/37 ↖ 20/55 ← 12/12 ← 13/52 ↙ 69/151 ↗ 30/38 → 24/86 ↘ 75/50 ↑ 2417/3091 ↑ 72/26	10/16 ← 3054/2641 ← 430/642 ↖ 464/432 ← 335/287 ← 239/167 ↙ 205/155 ↗ 287/400 → 202/244 ↘ 117/233 ↑ 1935/2251 ↑ 472/892	422/203 ← 801/218 ← 382/92 ← 899/646 ← 321/29 ↙ 654/1045 → 116/75 ↘ 41/95 ↑ 74/236 ↑	2/0 ← 795/282 ← 8/47 ↖ 9/2 ← 6/8 ↙ 85/127 ↑ 84/531 ↑	185/48 ← 851/337 ← 84/69 ↖ 23/17 ← 171/80 ← 40/28 ↙ 69/114 ↗ 119/264 → 38/43 ↘ 45/29 ↑ 305/683 ↑ 43/104
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
200/91 ← 500/248 ← 69/72 ↖ 27/36 ← 224/273 ← 35/36 ↙ 88/225 ↗ 229/549 → 43/54 ↘ 29/38 ↑ 303/557 ↑ 62/153 ↑	375/154 ← 196/207 ← 44/51 ↖ 34/38 ← 25/35 ← 22/41 ↙ 109/499 ↗ 38/111 → 59/343 ↘ 157/24 ↑ 146/178 ↑ 35/30 ↑	33/66 ← 76/13 ← 132/375 ↖ 350/152 ← 1532/917 ← 412/101 ↙ 74/57 ↗ 630/1552 → 54/29 ↘ 17/45 ↑ 16/60 ↑ 54/237 ↑	3131/3116 ← ↖ 19/115 ↙ 2769/3132 ↑ 50/9 ↑	3121/3081 ← ↖ 8/49 ↙ 2770/3037 ↑ 119/22 ↑

FIGURE 10
OPENING YEAR 2023 CUMULATIVE BASE TRAFFIC VOLUMES

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TABLE 5
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2023 CUMULATIVE

ICU Methodology

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			V/C	LOS	V/C	LOS
1	N Pacific Coast Hwy at El Segundo Blvd	S	0.984	E	1.200	**F**
2	N Pacific Coast Hwy at Grand Ave	S	0.908	E	1.002	**F**
3	N Pacific Coast Hwy at Mariposa Ave	S	0.768	C	0.879	D
5	N Pacific Coast Hwy at Maple Ave	S	0.739	C	0.780	C
6	N Pacific Coast Hwy at Walnut Ave	S	0.735	C	0.746	C
7	N Pacific Coast Hwy at Imperial Hwy	S	1.014	**F**	1.204	**F**
8	N Nash St at Imperial Hwy	S	0.652	B	0.505	A
9	N Nash St at Atwood Way	S	0.355	A	0.340	A
10	N Nash St at Maple Ave	S	0.737	C	0.679	B
11	N Nash St at Mariposa Ave	S	0.470	A	0.604	A
12	N Nash St at Grand Ave	S	0.538	A	0.585	A
13	N Nash St at El Segundo Blvd	S	0.587	A	0.668	B

HCM Methodology

Int. #	Intersection	Traffic Control	AM Peak Hour		PM Peak Hour	
			Delay	LOS	Delay	LOS
4	N Pacific Coast Hwy at Palm Ave	U	32.1	C	35.9	D
D1	N Pacific Coast Hwy at Northern Driveway	U	20.0	B	66.6	E
D2	N Pacific Coast Hwy at Southern Driveway	U	19.3	B	28.9	C

LOS shown in Bold and shaded indicates unacceptable Level of Service.
ICU = Intersection Capacity Utilization
HCM = Highway Capacity Manual
LOS = Level of Service
Intersection operation is expressed in volume-to-capacity (v/c) ratio for the ICU methodology.
Intersection operation is expressed in average seconds of delay (sec/veh) for the HCM methodology.

Opening Year 2023 Cumulative Plus Project Conditions

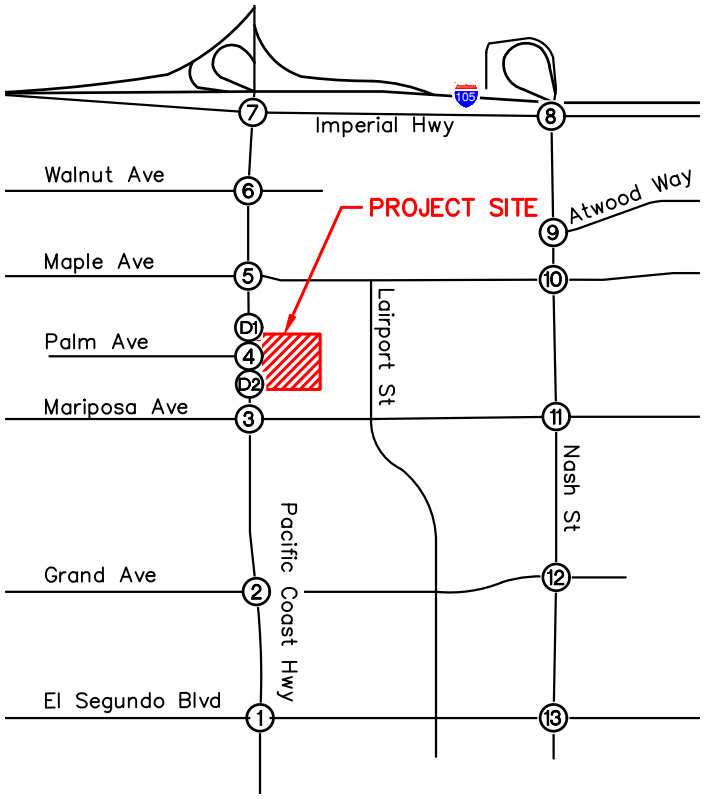
Project-related traffic volumes for the project was added to the Year 2023 forecasts to develop Year 2023 Plus Project traffic forecast volumes. The resulting traffic volumes are shown on Figure 11.

The results of the Year 2023 with Project intersection analysis are shown on Table 6. Review of this table indicates that, with the addition of project traffic, the following study intersections would operate at an unacceptable Level of Service:

- #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
- #2 – N Pacific Coast Highway at Grand Avenue: PM – LOS F
- #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F
- D1 – N Pacific Coast Highway at Northern Driveway: PM – LOS F
- D2 – N Pacific Coast Highway at Southern Driveway: PM – LOS F

Intersection analysis worksheets are provided in *Appendix C*.

The project's contribution to the LOS deficiency at the intersections of N Pacific Coast Highway at El Segundo Boulevard (#1), and N Pacific Coast Highway at Grand Avenue (#2) are less than significant as the increase in v/c ratio is less than 0.02.



NOT TO SCALE

LEGEND:

(X) = Study Intersection

XX/YY = AM/PM Peak Hour Turning Movement Volumes

1. N Pacific Coast Hwy at El Segundo Blvd	2. N Pacific Coast Hwy at Grand Ave	3. N Pacific Coast Hwy at Mariposa Ave	4. N Pacific Coast Hwy at Palm Ave	5. N Pacific Coast Hwy at Maple Ave
117/107 ← 1480/2813 ← 404/368 → 307/480 ← 385/398 ← 185/505 110/129 → 369/559 → 287/583 → 455/353 ← 2821/1772 ← 389/301	202/143 ← 1884/2625 ← 493/126 → 83/418 ← 53/169 ← 49/413 132/260 → 167/144 → 77/160 → 138/151 ← 2418/2244 ← 499/140	73/79 ← 2697/2779 ← 237/227 ← 60/11 → 103/238 ← 102/240 ← 54/125 95/110 → 190/229 → 55/43 → 79/140 ← 2579/2630 ← 106/148	29/31 ← 3164/3104 2/8 → 30/25 → 16/16 ← 2837/3104	58/38 ← 3057/2952 ← 115/91 → 43/142 ← 52/96 ← 38/126 88/74 → 104/58 → 44/42 → 4/23 ← 72/118 ← 2439/3104 ← 178/90
6. N Pacific Coast Hwy at Walnut Ave	**7. N Pacific Coast Hwy at Imperial Hwy**	**8. N Nash St at Imperial Hwy**	**9. N Nash St at Atwood Way**	**10. N Nash St at Maple Ave**
213/81 ← 3204/2985 ← 65/37 → 20/55 ← 12/12 ← 13/52 69/151 → 30/38 → 24/86 → 75/50 ← 2427/3147 ← 72/26	10/16 ← 3066/2643 ← 430/642 → 464/432 ← 335/287 ← 281/175 205/155 → 287/400 → 208/245 → 118/239 ← 1937/2262 ← 479/931	422/203 ← 801/218 ← 382/92 ← 941/654 ← 321/29 661/1084 → 116/75 → 41/95 → 74/236	2/0 ← 795/282 ← 8/47 → 9/2 → 6/8 85/127 ← 84/531	185/48 ← 851/337 ← 84/69 → 23/17 ← 171/80 ← 46/29 69/114 → 120/270 → 43/72 → 45/29 ← 305/683 ← 43/104
11. N Nash St at Mariposa Ave	**12. N Nash St at Grand Ave**	**13. N Nash St at El Segundo Blvd**	**D1. N Pacific Coast Hwy at Northern Driveway**	**D2. N Pacific Coast Hwy at Southern Driveway**
206/92 ← 504/271 ← 70/78 → 27/36 ← 230/274 ← 35/36 88/225 → 229/549 → 43/54 → 29/38 ← 303/557 ← 62/153	375/154 ← 200/230 ← 44/51 → 34/38 ← 25/35 ← 22/41 109/499 → 38/111 → 59/343 → 157/24 ← 146/178 ← 35/30	33/66 ← 76/13 ← 136/398 → 350/152 ← 1556/921 ← 412/101 74/57 → 630/1552 → 54/29 → 17/45 ← 16/60 ← 54/237	3195/3150 → 50/299 2779/3190 ← 237/44	3185/3115 → 39/235 2830/3048 ← 307/55

FIGURE 11
OPENING YEAR 2023 CUMULATIVE PLUS PROJECT TRAFFIC VOLUMES

TABLE 6
SUMMARY OF INTERSECTION OPERATION
OPENING YEAR 2023 CUMULATIVE PLUS PROJECT

ICU Methodology

		AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Project	Effect	Without Project		With Project		Project	Effect
Int. #	Intersection	V/C	LOS	V/C	LOS	Effect	Sig?	V/C	LOS	V/C	LOS	Effect	Sig?
1	N Pacific Coast Hwy at El Segundo Blvd	0.984	E	1.002	E	0.018	No	1.200	F	1.202	F	0.002	No
2	N Pacific Coast Hwy at Grand Ave	0.908	E	0.916	E	0.008	No	1.002	F	1.006	F	0.004	No
3	N Pacific Coast Hwy at Mariposa Ave	0.768	C	0.772	C	0.004	No	0.879	D	0.882	D	0.003	No
5	N Pacific Coast Hwy at Maple Ave	0.739	C	0.748	C	0.009	No	0.780	C	0.782	C	0.002	No
6	N Pacific Coast Hwy at Walnut Ave	0.735	C	0.744	C	0.009	No	0.746	C	0.755	C	0.009	No
7	N Pacific Coast Hwy at Imperial Hwy	1.014	F	1.016	F	0.002	No	1.204	F	1.229	F	0.025	Yes
8	N Nash St at Imperial Hwy	0.652	B	0.654	B	0.002	No	0.505	A	0.513	A	0.008	No
9	N Nash St at Atwood Way	0.355	A	0.355	A	0.000	No	0.340	A	0.340	A	0.000	No
10	N Nash St at Maple Ave	0.737	C	0.737	C	0.000	No	0.679	B	0.684	B	0.005	No
11	N Nash St at Mariposa Ave	0.470	A	0.475	A	0.005	No	0.604	A	0.608	B	0.004	No
12	N Nash St at Grand Ave	0.538	A	0.483	A	-0.055	No	0.585	A	0.593	A	0.008	No
13	N Nash St at El Segundo Blvd	0.587	A	0.592	A	0.005	No	0.668	B	0.676	B	0.008	No

HCM Methodology

		AM Peak Hour						PM Peak Hour					
		Without Project		With Project		Project	Effect	Without Project		With Project		Project	Effect
Int. #	Intersection	Delay	LOS	Delay	LOS	Effect	Sig?	Delay	LOS	Delay	LOS	Effect	Sig?
4	N Pacific Coast Hwy at Palm Ave	32.1	C	32.1	C	0.0	No	35.9	D	35.9	D	0.0	No
D1	N Pacific Coast Hwy at Northern Driveway	20.0	B	22.4	C	2.4	No	66.6	E	>100	F	>33.4	Yes
D2	N Pacific Coast Hwy at Southern Driveway	19.3	B	24.0	C	4.7	No	28.9	C	>100	F	>71.1	Yes

LOS shown in Bold and shaded indicates unacceptable Level of Service.
ICU = Intersection Capacity Utilization
HCM = Highway Capacity Manual
LOS = Level of Service
Intersection operation is expressed in volume-to-capacity (v/c) ratio for the ICU methodology.
Intersection operation is expressed in average seconds of delay (sec/veh) ratio for the HCM methodology.

RECOMMENDED IMPROVEMENTS

Based on the significance criteria presented earlier in the report (page 7), the project would have a significant effect on the following study intersection:

- #7 – N Pacific Coast Highway at Imperial Highway

The following improvements would to bring the intersection to a better than pre-project v/c ratio:

- Modify the traffic signal to provide overlap phasing for northbound right turns
- Restrict U-turns for the westbound approach

Intersection analysis worksheets, with improvements are provided in *Appendix D*.

SITE ACCESS

The project site plan presented on Figure 2 (previously referenced) indicates that vehicular access provisions for the project site would consist of the following unsignalized driveways:

- Driveway 1 is an existing right-in-right-out (RIRO) driveway on N Pacific Coast Highway, approximately 300 feet north of Palm Avenue.

- Driveway 2 is an existing RIRO driveway on N Pacific Coast Highway, approximately 115 feet south of Palm Avenue.

The LOS deficiency at the driveway intersections (D1 and D2) occur during the PM peak hour for the traffic exiting out of the site. However, the review of 95th percentile queues does not show significant queuing on-site and does not affect the LOS on the public roadway (N Pacific Coast Highway). Since the driveways are already restricted to right-in-right out movements, no additional improvements are feasible.

The driveway on Mariposa Avenue is intended for Emergency Vehicle access only.

FINDINGS AND CONCLUSIONS

- This study has been prepared to evaluate the traffic-related effects of the proposed 650 N Pacific Coast Highway project, which involves some minor changes to the existing office buildings and the construction of a new office building. The project would consist of a net addition of 118,615 square-feet of office space.

- Weekday morning and evening peak hour operating conditions were evaluated at 14 study intersections for the following study scenarios:
  - Existing Conditions
  - Existing Conditions Plus Project
  - Opening Year 2023 Cumulative Base
  - Opening Year 2023 Cumulative Plus Project

- Under Existing Conditions, the following study intersection would operate at an unacceptable Level of Service:
  - #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
  - #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F

- The proposed additions to the existing site are estimated to generate 1,155 daily trips with 139 trips in the morning peak hour and 135 trips in the evening peak hour.

- Under Existing Plus Project Conditions, the following study intersections would operate at an unacceptable Level of Service:
  - #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
  - #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F
  - D1 – N Pacific Coast Highway at Northern Driveway: PM – LOS F

- Ambient traffic growth at a rate of 1.003, and cumulative project traffic were added to Existing Conditions to develop Opening Year 2023 Cumulative Base without Project forecasts.

- Under Opening Year 2023 Cumulative Base conditions, the following study intersections would operate at an unacceptable Level of Service:
  - #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
  - #2 – N Pacific Coast Highway at Grand Avenue: PM – LOS F
  - #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F

- Under Opening Year 2023 Cumulative Plus Project conditions, the following study intersections would operate at an unacceptable Level of Service:
  - #1 – N Pacific Coast Highway at El Segundo Boulevard: PM – LOS F
  - #2 – N Pacific Coast Highway at Grand Avenue: PM – LOS F
  - #7 – N Pacific Coast Highway at Imperial Highway: PM – LOS F
  - D1 – N Pacific Coast Highway at Northern Driveway: PM – LOS F
  - D2 – N Pacific Coast Highway at Southern Driveway: PM – LOS F

- Based on the significance criteria presented in the report, the project would have a significant effect on the following study intersection:
  - #7 – N Pacific Coast Highway at Imperial Highway

- The following improvements would bring the intersection of N Pacific Coast Highway at Imperial Highway (#7) to a better than pre-project v/c ratio:
  - Modify the traffic signal to provide overlap phasing for northbound right turns
  - Restrict U-turns for the westbound approach

- Vehicular access provisions for the project would consist of two existing driveways: two right-in-right-out (RIRO) only driveways on N Pacific Coast Highway. All project driveways would be unsignalized. Since the driveways are already restricted to RIRO movements, no additional improvements are feasible.

APPENDIX A

SCOPING AGREEMENT

Kimley»Horn

December 14, 2020

Mr. Elias Sassoon
Director of Public Works, City of El Segundo
350 Main Street
El Segundo, CA 90245

RE: *Scoping Letter Agreement for Traffic Impact Study for the Proposed 650 North Pacific Coast Highway Project in the City of El Segundo*

Dear Mr. Sassoon:

Kimley-Horn and Associates, Inc. is submitting this Scoping Letter Agreement to the City of El Segundo to provide a Traffic Impact Study for the proposed 650 N Pacific Coast Highway Project in the City of El Segundo. The proposed Traffic Impact Study scope for the project is presented below.

PROJECT DESCRIPTION

The project is located in the north-central portion of the City of El Segundo, in the County of Los Angeles. The Project Site is located at 650 and 700 North Pacific Coast Highway (Buildings A and B, respectively) and 737 Carl Jacobson Way (Building D). In total, the project site consists of seven contiguous parcels. The applicant proposes to renovate and perform minor alternations to buildings A and B and demolish the existing surface parking lot to construct a 122,156 square-foot office building (Building C) with a 1,185-space parking structure. In addition, the Project will consolidate the seven parcels of land into a single 7.258-acre ground parcel through the proposed Vesting Tentative Parcel Map No. 83129. The gross square footages for each building in the Project are as follows:

Building A: 99,916 square-feet of floor area (net addition of 1,031 square feet from existing 98,885 square-feet)

Building B: 65,120 square-feet of floor area (net reduction of 4,572 square feet from existing 69,692 square-feet)

Building C: 122,156 gross square feet, with an integrated 1,185-space parking structure

Building D: 16,652 square-feet of floor area (no proposed changes)

A copy of the project site plan is provided on Attachment 1.

Vehicular access provisions for the project site would be provided via two existing driveways on Pacific Coast Highway. One driveway is located on the north side of Building B and the other is on the south side of Building A. Both driveways are unsignalized and provide right-in-right-out only access due to a median on Pacific Coast Highway. An additional driveway is located on Mariposa Avenue which is reserved for emergency vehicle access only that will wrap around the exterior of the proposed parking structure and exit through a gate continuing onto the property at 1910 East Maple Avenue north of the project site.

The proposed opening year for the project is Year 2023. The project will be developed in a single project phase.

SCOPE OF TRAFFIC IMPACT STUDY

This scope is based on the City of El Segundo traffic study requirements, which follow the Los Angeles County Congestion Management Program (CMP).

Study Scenarios

- Existing Conditions
- Existing Conditions Plus Project
- Opening Year 2023 Cumulative Base
- Opening Year 2023 Cumulative Base Plus Project

Suggested Study Area

The following is a list of study intersections to be included in the study, as shown on Attachment 2:

Intersections:

1. N Pacific Coast Highway at El Segundo Boulevard
2. N Pacific Coast Highway at Grand Avenue
3. N Pacific Coast Highway at Mariposa Avenue
4. N Pacific Coast Highway at Palm Avenue
5. N Pacific Coast Highway at Maple Avenue
6. N Pacific Coast Highway at Walnut Avenue
7. N Pacific Coast Highway at Imperial Highway
8. N Nash Street at Imperial Highway
9. N Nash Street at Atwood Way
10. N Nash Street at Maple Avenue
11. N Nash Street at Mariposa Avenue
12. N Nash Street at Grand Avenue
13. N Nash Street at El Segundo Boulevard

D1. N Pacific Coast Highway at Northern Driveway
D2. N Pacific Coast Highway at Southern Driveway

Signalized intersections will be analyzed using Intersection Capacity Utilization (ICU) methodology while unsignalized intersections will be analyzed using Highway Capacity Manual (HCM) methodology. The intersection analysis for the traffic impact study will be accomplished using the Vistro software program.

Level of Service (LOS) standards for the traffic impact study will be in accordance with the City of El Segundo traffic study requirements and the Los Angeles County Congestion Management Program (CMP).

Historical morning and evening peak period traffic counts will be utilized due to the closure of businesses and school amid the COVID-19 pandemic. These counts will be from a previous traffic analysis report completed in 2018 from an adjacent project:

1. N Pacific Coast Highway at El Segundo Boulevard
2. N Pacific Coast Highway at Grand Avenue
3. N Pacific Coast Highway at Mariposa Avenue
4. N Pacific Coast Highway at Palm Avenue
5. N Pacific Coast Highway at Maple Avenue
6. N Pacific Coast Highway at Walnut Avenue
7. N Pacific Coast Highway at Imperial Highway

Historical counts were available at the following intersections:

8. N Nash Street at Imperial Highway (2019)
10. N Nash Street at Maple Avenue (2017)
11. N Nash Street at Mariposa Avenue (2019)
12. N Nash Street at Grand Avenue (2016)
13. N Nash Street at El Segundo Boulevard (2019)

New traffic counts were collected at the following intersections on December 9th, 2020:

9. N Nash Street at Atwood Way
10. N Nash Street at Maple Avenue
11. N Nash Street at Mariposa Avenue
12. N Nash Street at Grand Avenue

Based on a comparison of historical counts to new counts, a factor of 1.56 will be applied to counts collected in December 2020 to account for Covid-19.

Trip Generation

Trip generation estimates are based on the Institute of Transportation Engineers (ITE) Trip Generation Manual (10th Edition) trip rates for General Office Building (ITE Land Use 710).

Trip generation rates and the resulting trip generation estimates for the proposed project are summarized on Attachment 3.

Trip Distribution

Project distribution assumptions were developed based on existing travel patterns, and the likely origins and destinations of site employees and patrons. Trip distribution assumptions are shown on Attachment 2 (previously mentioned).

Traffic Growth

For Opening Year scenarios, an annual growth rate of 1.003 will be applied to existing traffic volumes. The annual growth rate of 1.003 is consistent with growth trends in the South Bay/LAX area, per the Los Angeles County CMP. In addition, approved and pending project trips will be applied to the Opening Year scenarios. We will obtain information from the City of El Segundo concerning approved and pending project trips. Where approved trip generation and trip distribution information is not available, these assumptions will be developed by Kimley-Horn.

SENATE BILL (SB) 743 VMT ANALYSIS

Provide a vehicle miles traveled (VMT) assessment due to the development of the site to identify potential impacts based on guidance provided by the Governor's Office of Planning and Research (OPR).

Please contact me if you have any questions, comments, or concerns.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Pranesh Tarikere, P.E

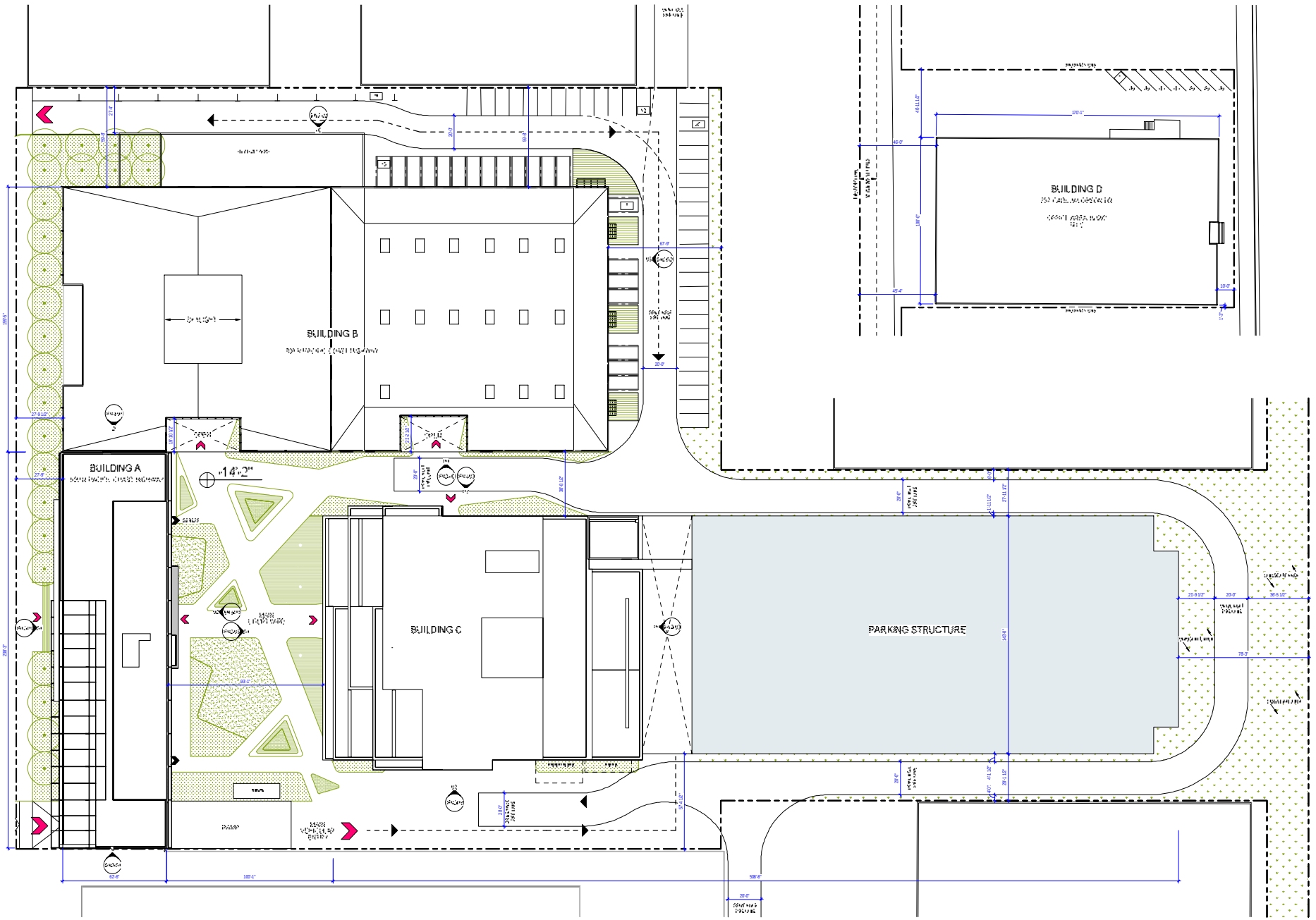
APPROVED:

By:

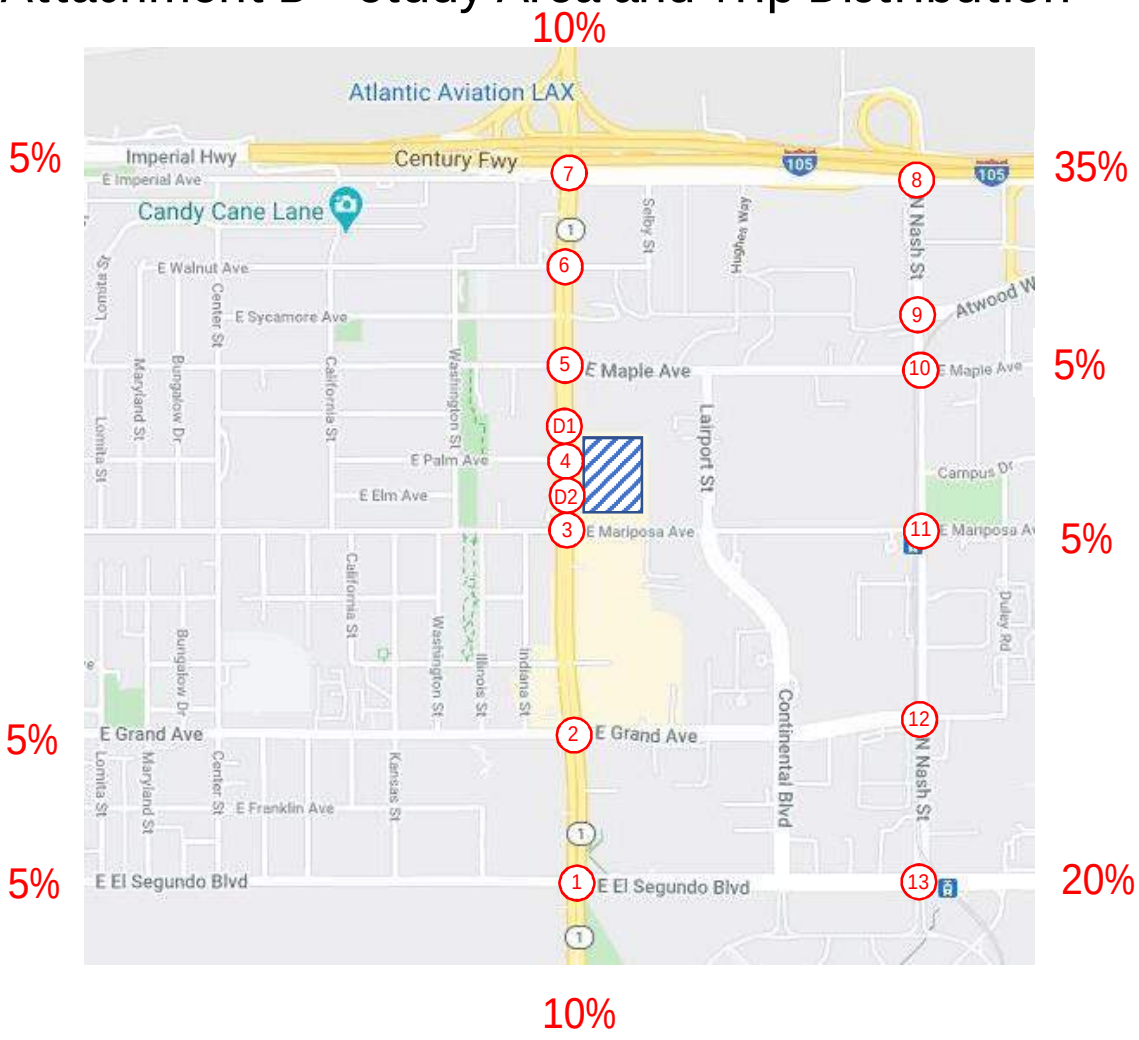
_____.

Elias Sassoon
Director of Public Works, City of El Segundo

Attachment A - Project Site Plan



Attachment B – Study Area and Trip Distribution



Legend:

- ○ = Study Intersection
- ▨ = Project Site
- XX% = Trip Distribution

Study Intersections:

1. N Pacific Coast Highway at El Segundo Boulevard
2. N Pacific Coast Highway at Grand Avenue
3. N Pacific Coast Highway at Mariposa Avenue
4. N Pacific Coast Highway at Palm Avenue
5. N Pacific Coast Highway at Maple Avenue
6. N Pacific Coast Highway at Walnut Avenue
7. N Pacific Coast Highway at Imperial Highway
8. N Nash Street at Imperial Highway
9. N Nash Street at Atwood Way
10. N Nash Street at Maple Avenue
11. N Nash Street at Mariposa Avenue
12. N Nash Street at Grand Avenue
13. N Nash Street at El Segundo Boulevard

D1. N Pacific Coast Highway at Northern Driveway
D2. N Pacific Coast Highway at Southern Driveway

ATTACHMENT 3
SUMMARY OF PROJECT TRIP GENERATION
650 N PACIFIC COAST HIGHWAY PROJECT

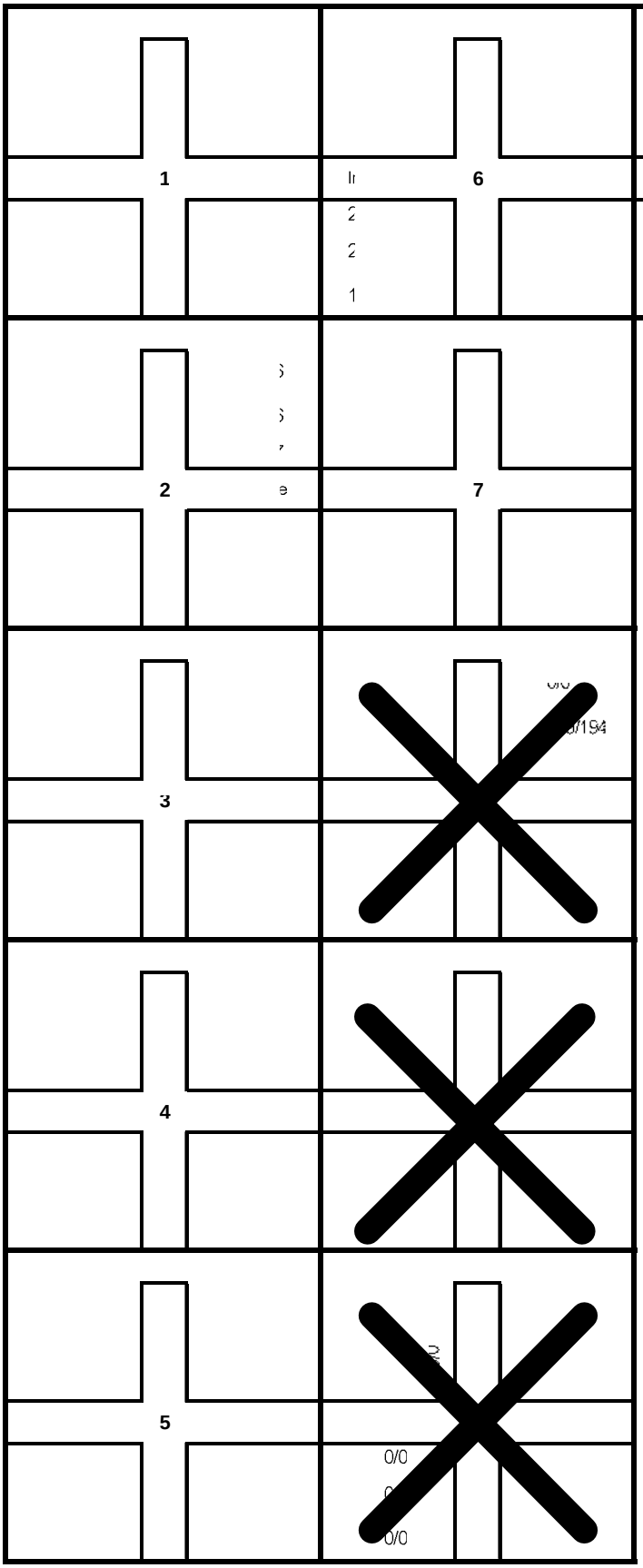
Land Use	ITE Code	Unit	Trip Generation Rates [1]						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
General Office Building	710	KSF	9.740	0.998	0.162	1.160	0.184	0.966	1.150

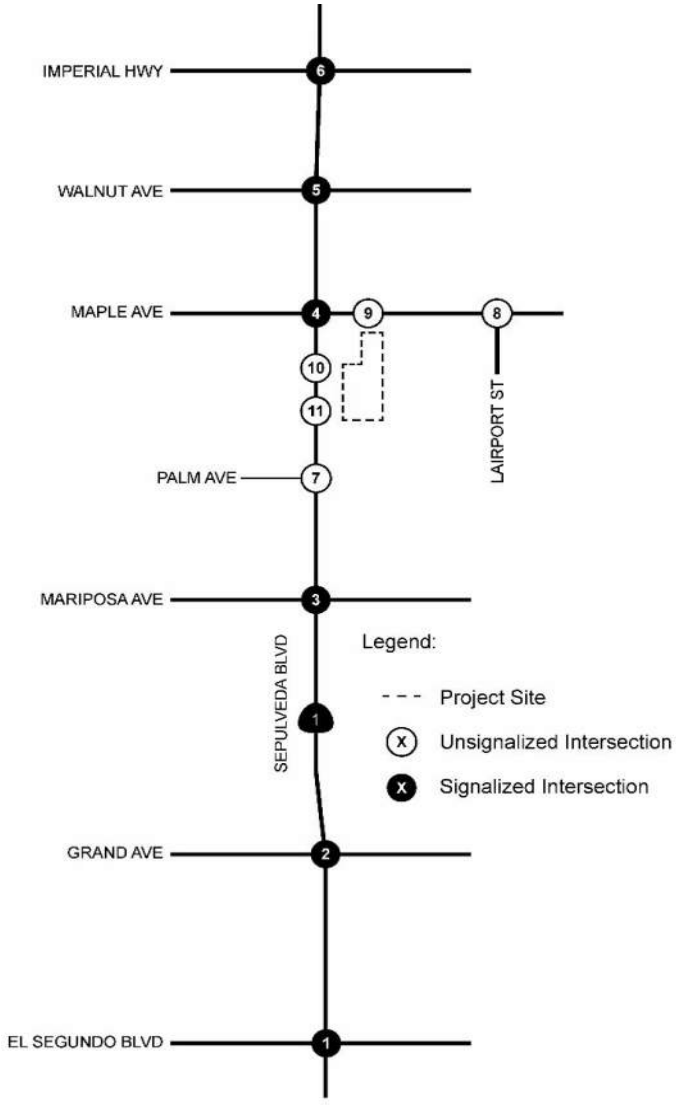
Land Use	Quantity	Unit	Trip Generation Estimates						
			Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Existing Use									
General Office Building	168.577	KSF	1,642	168	27	195	31	163	194
Total Existing Trips			1,642	168	27	195	31	163	194
Proposed Use									
General Office Building	287.192	KSF	2,797	287	47	334	53	277	330
Net Difference (Proposed Minus Existing)	118.615	KSF	1,155	119	20	139	22	114	136

[1] Source: Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition

APPENDIX B

TRAFFIC DATA COLLECTION WORKSHEETS





Not to Scale

Exhibit 5

Existing Weekday AM and PM Intersection Volumes

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Nash St & Imperial Hwy
City: El Segundo
Control: Signalized

Project ID: Historical
Date: 10/24/2019

Total

NS/EW Streets:	N Nash St				N Nash St				Imperial Hwy				Imperial Hwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	0	2	0	1.5	1	1.5	0	0	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	7	0	8	0	63	139	105	0	0	95	13	0	24	189	0	1	644
7:15 AM	7	0	7	0	33	128	98	0	0	94	19	0	33	229	0	2	650
7:30 AM	6	0	14	0	64	172	136	0	0	123	24	0	39	232	0	1	811
7:45 AM	10	0	15	0	69	229	122	0	0	129	29	0	62	249	0	1	915
8:00 AM	9	0	9	0	89	210	115	0	0	143	26	0	76	224	0	2	903
8:15 AM	5	0	18	0	70	170	89	0	0	181	21	0	81	240	0	0	875
8:30 AM	10	0	26	0	82	186	96	0	0	164	30	0	68	200	0	0	862
8:45 AM	17	0	20	0	136	226	117	0	0	143	38	0	89	204	0	1	991
9:00 AM	9	0	20	0	113	204	101	0	0	139	29	0	80	194	0	1	890
9:15 AM	9	0	10	0	114	206	76	0	0	116	20	0	54	168	0	0	773
9:30 AM	5	0	10	0	82	134	94	0	0	139	20	0	35	143	0	0	662
9:45 AM	8	0	12	0	94	191	123	0	0	101	23	0	26	136	0	0	714
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	102	0	169	0	1009	2195	1272	0	0	1567	292	0	667	2408	0	9	9690
APPROACH %'s :	37.64%	0.00%	62.36%	0.00%	22.54%	49.04%	28.42%	0.00%	0.00%	84.29%	15.71%	0.00%	21.63%	78.08%	0.00%	0.29%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	41	0	73	0	377	792	417	0	0	631	115	0	314	868	0	3	3631
PEAK HR FACTOR :	0.603	0.000	0.702	0.000	0.693	0.876	0.891	0.000	0.000	0.872	0.757	0.000	0.882	0.904	0.000	0.375	0.916
	0.770				0.828				0.923				0.923				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	0	2	0	1.5	1	1.5	0	0	3	0	0	0	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	15	0	50	0	28	60	47	0	0	246	14	0	10	130	0	0	600
4:15 PM	16	0	46	0	29	65	54	0	0	270	23	0	7	125	0	0	635
4:30 PM	20	0	55	0	22	57	57	0	0	271	18	0	11	140	0	0	651
4:45 PM	24	0	50	0	16	52	48	0	0	264	17	0	5	149	0	1	626
5:00 PM	21	0	59	0	24	53	51	0	0	221	20	0	5	163	0	1	618
5:15 PM	29	0	69	0	29	53	44	0	0	262	19	0	6	162	0	0	673
5:30 PM	18	0	44	0	25	47	50	0	0	197	19	0	15	175	0	0	590
5:45 PM	26	0	39	0	20	63	55	0	0	245	13	0	8	143	0	0	612
6:00 PM	19	0	43	0	31	44	31	0	0	237	15	0	10	142	0	1	573
6:15 PM	10	0	26	0	14	43	41	0	0	226	15	1	10	134	0	2	522
6:30 PM	13	0	24	0	16	46	34	0	0	198	14	0	10	137	0	0	492
6:45 PM	12	0	25	0	16	35	34	0	0	162	4	1	5	106	0	2	402
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	223	0	530	0	270	618	546	0	0	2799	191	2	102	1706	0	7	6994
APPROACH %'s :	29.61%	0.00%	70.39%	0.00%	18.83%	43.10%	38.08%	0.00%	0.00%	93.55%	6.38%	0.07%	5.62%	93.99%	0.00%	0.39%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	94	0	233	0	91	215	200	0	0	1018	74	0	27	614	0	2	2568
PEAK HR FACTOR :	0.810	0.000	0.844	0.000	0.784	0.943	0.877	0.000	0.000	0.939	0.925	0.000	0.614	0.942	0.000	0.500	0.954
	0.834				0.930				0.945				0.951				

Prepared by National Data & Surveying Services

N Nash St & Imperial Hwy

Peak Hour Turning Movement Count

ID: Historical
City: El Segundo

Day: Thursday
Date: 10/24/2019

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	04:00 PM - 07:00 PM

N Nash St — SOUTHBOUND

AM	417	792	377	0	0	AM
NOON	0	0	0	0	0	NOON
PM	200	215	91	0	0	PM
	1.5	1	1.5	0		

Imperial Hwy — EASTBOUND

AM	NOON	PM	
1326	0	908	
0	0	0	0
0	0	0	0
631	0	1018	3
115	0	74	0
AM	NOON	PM	

CONTROL

Signalized

TEV	3631	0	2568
	AM	NOON	PM
PHF	0.92		0.95

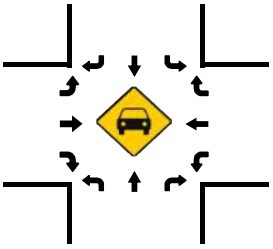
WESTBOUND — Imperial Hwy

	PM	NOON	AM
0	0	0	0
3	614	0	868
0	27	0	314
0	2	0	3
	1344	0	1084
	PM	NOON	AM

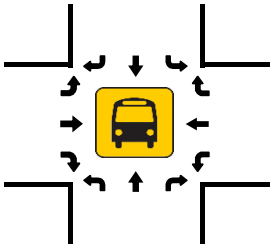
N Nash St — NORTHBOUND

PM	316	0	94	0	233	PM
NOON	0	0	0	0	0	NOON
AM	1221	0	41	0	73	AM
		0	1	0	2	

Total Vehicles (AM)



Total Vehicles (AM)



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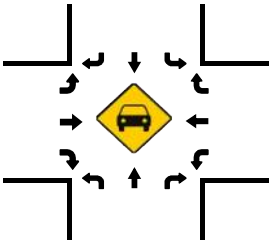
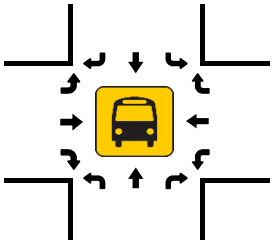
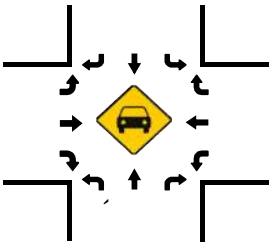


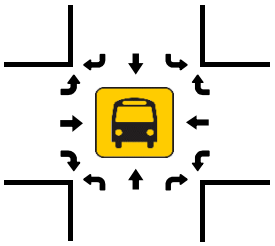
Total Vehicles (NOON)



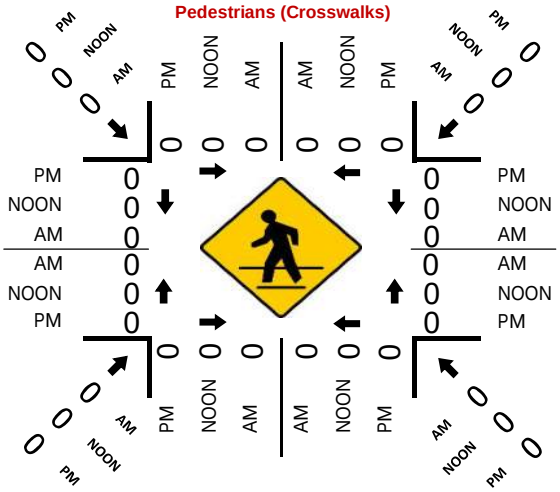
Total Vehicles (PM)



Total Vehicles (PM)



Pedestrians (Crosswalks)



ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

Nash St and Maple Ave , El Segundo

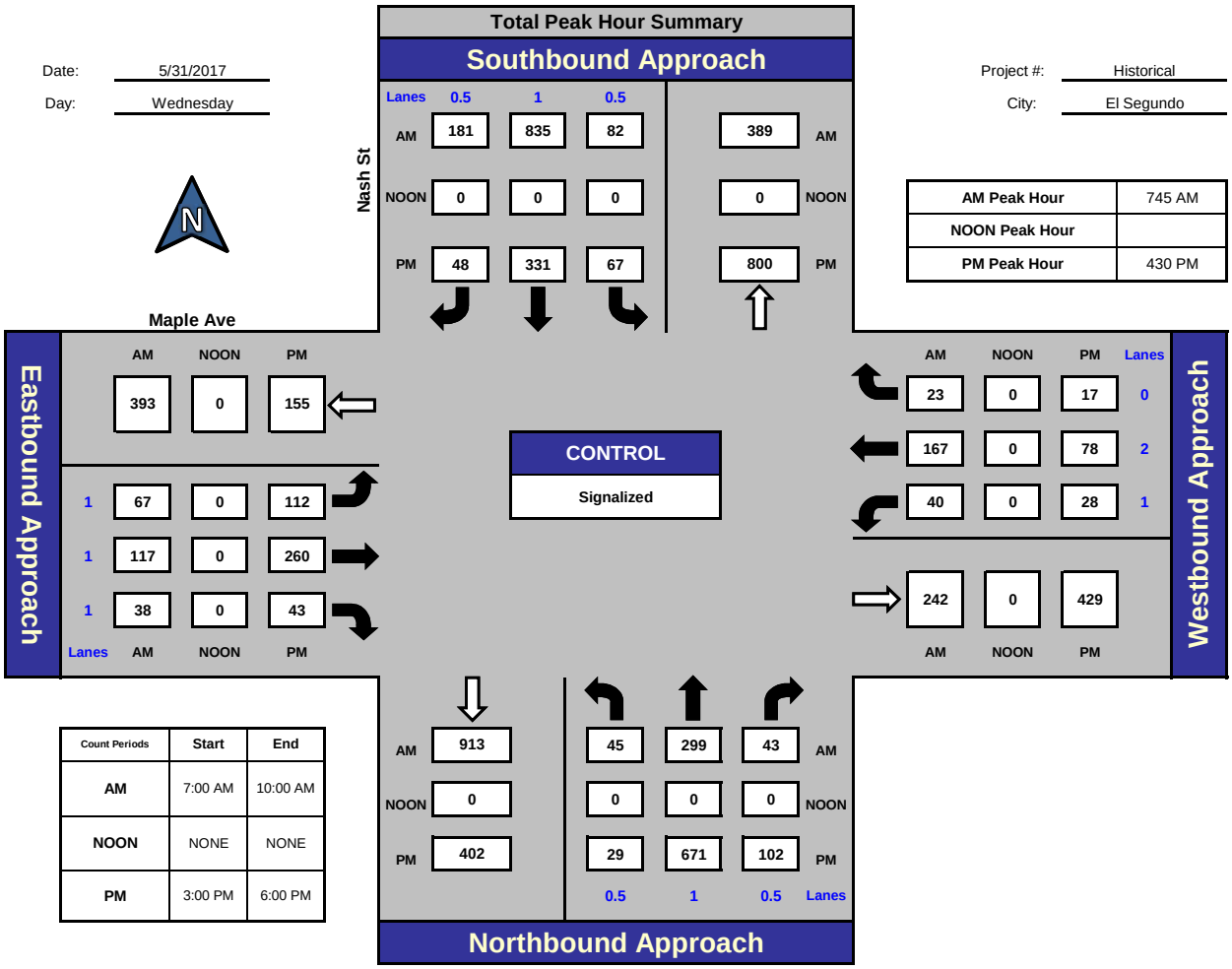
Date: 5/31/2017

Day: Wednesday

Project #: Historical

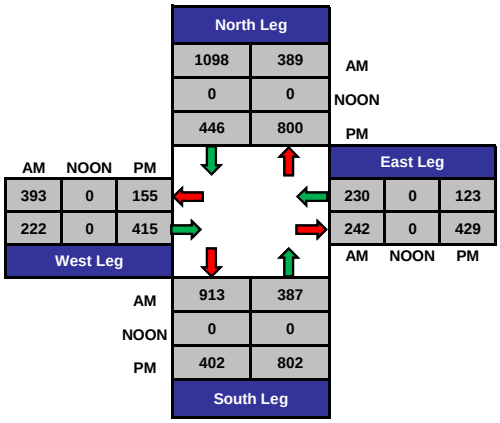
City: El Segundo

AM Peak Hour	745 AM
NOON Peak Hour	
PM Peak Hour	430 PM

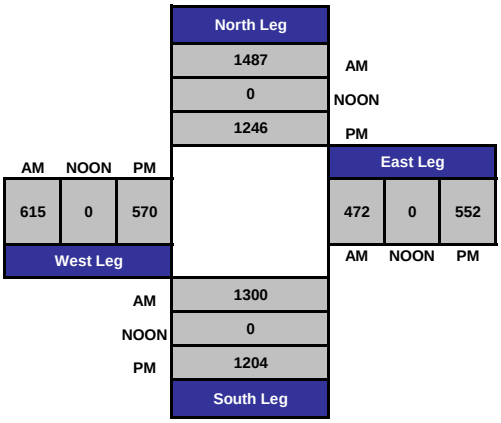


Count Periods	Start	End
AM	7:00 AM	10:00 AM
NOON	NONE	NONE
PM	3:00 PM	6:00 PM

Total Ins & Outs



Total Volume Per Leg



Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: Historical

Day: Wednesday

TOTALS

City: El Segundo

Date: 5/31/2017

AM

NS/EW Streets:	Nash St			Nash St			Maple Ave			Maple Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0.5	1	0.5	0.5	1	0.5	1	1	1	1	2	0	
7:00 AM	9	33	2	10	102	30	14	19	4	4	30	1	258
7:15 AM	4	49	8	15	148	34	21	23	5	8	36	4	355
7:30 AM	6	60	10	10	147	41	21	28	11	10	40	4	388
7:45 AM	14	60	10	17	210	48	14	27	5	9	40	5	459
8:00 AM	12	72	11	15	211	55	22	29	13	10	46	5	501
8:15 AM	7	86	8	29	228	38	25	29	10	8	26	4	498
8:30 AM	12	81	14	21	186	40	6	32	10	13	55	9	479
8:45 AM	11	51	9	19	206	38	15	33	14	9	32	8	445
9:00 AM	6	47	10	25	187	34	15	27	11	3	33	6	404
9:15 AM	11	56	12	23	153	26	10	18	7	8	28	3	355
9:30 AM	11	48	15	9	109	41	11	21	9	3	26	7	310
9:45 AM	14	43	10	18	115	23	15	17	11	4	32	5	307
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	117	686	119	211	2002	448	189	303	110	89	424	61	4759
APPROACH %'s :	12.69%	74.40%	12.91%	7.93%	75.23%	16.84%	31.40%	50.33%	18.27%	15.51%	73.87%	10.63%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	45	299	43	82	835	181	67	117	38	40	167	23	1937
PEAK HR FACTOR :		0.904			0.931			0.867			0.747		0.967

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: Historical

Day: Wednesday

TOTALS

City: El Segundo

Date: 5/31/2017

PM

NS/EW Streets:	Nash St			Nash St			Maple Ave			Maple Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0.5	1	0.5	0.5	1	0.5	1	1	1	1	2	0	
3:00 PM	5	148	14	6	56	19	14	34	15	7	17	1	336
3:15 PM	6	103	8	7	64	15	16	18	11	6	11	1	266
3:30 PM	6	140	15	9	65	15	23	31	10	4	17	4	339
3:45 PM	8	116	17	10	55	9	22	22	16	5	20	2	302
4:00 PM	4	164	12	16	61	15	21	50	20	6	22	3	394
4:15 PM	9	134	15	16	75	8	22	38	6	4	17	6	350
4:30 PM	6	159	28	18	78	16	40	70	12	9	14	5	455
4:45 PM	6	158	13	19	82	9	25	58	11	6	23	3	413
5:00 PM	10	185	32	17	84	14	26	68	13	8	25	9	491
5:15 PM	7	169	29	13	87	9	21	64	7	5	16	0	427
5:30 PM	8	153	47	14	72	12	16	54	9	8	19	6	418
5:45 PM	11	161	28	16	80	20	19	62	9	5	18	1	430
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	86	1790	258	161	859	161	265	569	139	73	219	41	4621
APPROACH %'s :	4.03%	83.88%	12.09%	13.63%	72.73%	13.63%	27.24%	58.48%	14.29%	21.92%	65.77%	12.31%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	29	671	102	67	331	48	112	260	43	28	78	17	1786
PEAK HR FACTOR :		0.883			0.970			0.850			0.732		0.909

CONTROL : Signalized

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Nash St & E Mariposa Ave
City: El Segundo
Control: Signalized

Project ID: Historical
Date: 10/24/2019

Total

NS/EW Streets:	N Nash St				N Nash St				E Mariposa Ave				E Mariposa Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	5	35	5	0	6	65	25	0	14	20	10	0	5	46	2	0	238
7:15 AM	7	41	11	0	6	86	38	0	12	31	10	0	7	52	6	0	307
7:30 AM	4	31	9	0	11	105	35	0	16	36	11	0	7	44	7	0	316
7:45 AM	6	55	10	0	14	152	56	0	12	64	14	0	9	49	3	0	444
8:00 AM	7	59	15	0	15	143	56	0	22	60	10	0	6	52	6	0	451
8:15 AM	7	72	18	0	23	114	54	0	18	63	10	0	6	46	6	0	437
8:30 AM	7	85	19	0	19	102	41	0	22	56	11	0	12	68	8	0	450
8:45 AM	8	83	9	0	11	136	46	0	25	47	12	0	11	55	7	0	450
9:00 AM	14	59	9	0	11	127	40	0	21	33	23	0	10	76	7	0	430
9:15 AM	4	52	9	0	9	78	34	0	7	45	9	0	5	46	8	0	306
9:30 AM	6	41	5	0	5	81	20	0	19	38	7	0	8	60	4	0	294
9:45 AM	5	34	12	0	8	75	28	0	12	44	7	0	9	46	9	0	289
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	80	647	131	0	138	1264	473	0	200	537	134	0	95	640	73	0	4412
APPROACH %'s :	9.32%	75.41%	15.27%	0.00%	7.36%	67.41%	25.23%	0.00%	22.96%	61.65%	15.38%	0.00%	11.76%	79.21%	9.03%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	29	299	61	0	68	495	197	0	87	226	43	0	35	221	27	0	1788
PEAK HR FACTOR :	0.906	0.879	0.803	0.000	0.739	0.865	0.879	0.000	0.870	0.897	0.896	0.000	0.729	0.813	0.844	0.000	0.991
	0.876				0.888				0.967				0.804				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	2	1	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	16	132	35	0	25	42	17	0	34	102	14	0	11	60	5	0	493
4:15 PM	11	138	31	0	21	62	13	0	34	85	9	0	13	65	6	0	488
4:30 PM	8	147	17	0	18	50	23	0	60	129	16	0	10	69	11	0	558
4:45 PM	7	137	23	0	14	62	14	0	47	127	12	0	9	70	12	0	534
5:00 PM	6	158	35	0	22	56	29	0	70	148	17	0	10	67	7	0	625
5:15 PM	14	138	53	0	23	57	22	0	47	126	15	0	8	63	10	0	576
5:30 PM	11	117	41	0	12	70	25	0	58	141	10	0	9	70	7	0	571
5:45 PM	6	101	34	0	19	63	27	0	44	116	17	0	9	53	4	0	493
6:00 PM	8	115	23	0	11	70	16	0	39	92	12	0	6	56	4	0	452
6:15 PM	8	99	13	0	17	37	14	0	34	99	16	1	8	40	6	0	392
6:30 PM	9	99	11	0	13	53	20	0	41	75	11	0	10	56	5	0	403
6:45 PM	6	77	13	1	8	40	13	0	42	74	12	0	5	46	2	0	339
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	110	1458	329	1	203	662	233	0	550	1314	161	1	108	715	79	0	5924
APPROACH %'s :	5.80%	76.82%	17.33%	0.05%	18.49%	60.29%	21.22%	0.00%	27.15%	64.86%	7.95%	0.05%	11.97%	79.27%	8.76%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	38	550	152	0	71	245	90	0	222	542	54	0	36	270	36	0	2306
PEAK HR FACTOR :	0.679	0.870	0.717	0.000	0.772	0.875	0.776	0.000	0.793	0.916	0.794	0.000	0.900	0.964	0.750	0.000	0.922
	0.902				0.949				0.870				0.940				

Prepared by National Data & Surveying Services

N Nash St & E Mariposa Ave

Peak Hour Turning Movement Count

ID: Historical
City: El Segundo

Day: Thursday
Date: 10/24/2019

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	04:00 PM - 07:00 PM

N Nash St — SOUTHBOUND

AM	197	495	68	0	413	AM
NOON	0	0	0	0	0	NOON
PM	90	245	71	0	808	PM
	0	2	1	0		

E Mariposa Ave — EASTBOUND

AM	NOON	PM	
447	0	398	
0	0	0	0
87	0	222	1
226	0	542	2
43	0	54	1
AM	NOON	PM	

CONTROL

Signalized

TEV	1788 AM	0 NOON	2306 PM
PHF	0.99		0.92

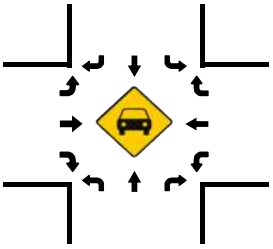
E Mariposa Ave — WESTBOUND

PM	NOON	AM	
36	0	27	0
270	0	221	2
36	0	35	1
0	0	0	0
765	0	355	
PM	NOON	AM	

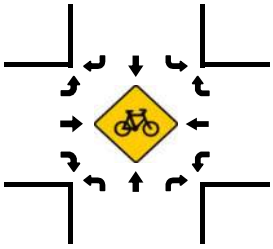
N Nash St — NORTHBOUND

	0	1	2	0		
PM	335	0	38	550	152	PM
NOON	0	0	0	0	0	NOON
AM	573	0	29	299	61	AM

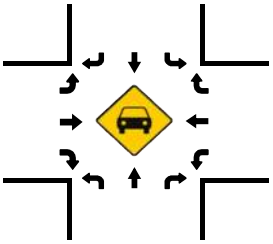
Total Vehicles (AM)



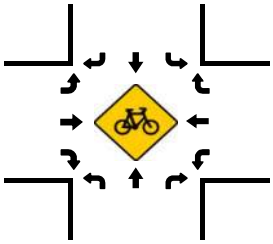
Bikes (AM)



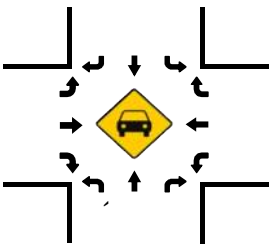
Total Vehicles (Noon)



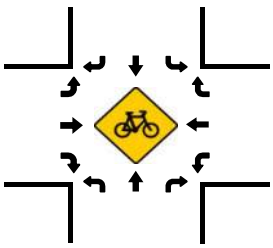
Bikes (NOON)



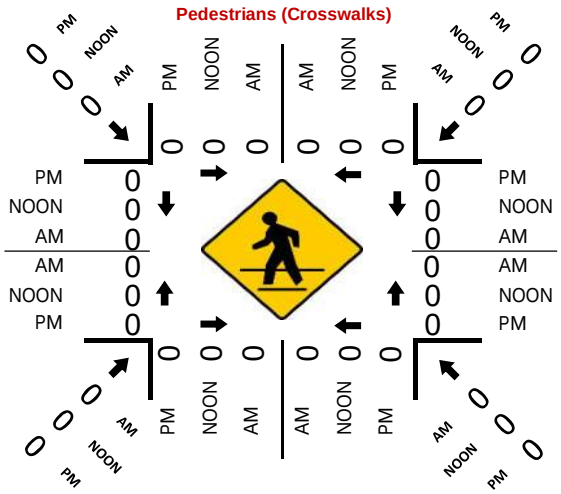
Total Vehicles (PM)



Bikes (PM)



Pedestrians (Crosswalks)



ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

Nash St and Grand Ave , El Segundo

Date: 5/3/2016
Day: Tuesday
Project #: Historical
City: El Segundo

AM Peak Hour	800 AM
NOON Peak Hour	
PM Peak Hour	500 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON	NONE	NONE
PM	4:00 PM	6:00 PM

CONTROL: Signalized

Peak Hour Summary

Southbound Approach (Nash St)

Lanes	0	2	1		
AM	368	192	43	284	AM
NOON	0	0	0	0	NOON
PM	151	203	50	701	PM

Eastbound Approach (Grand Ave)

Lanes	AM	NOON	PM
	547	0	210
1	107	0	489
1	38	0	109
2	57	0	336

Westbound Approach

Lanes	AM	NOON	PM
0	34	0	38
1	25	0	35
1	22	0	41
	116	0	189

Northbound Approach

Lanes	1	2	0	
AM	154	143	35	AM
NOON	0	0	0	NOON
PM	24	174	30	PM
	271			AM
	0			NOON
	580			PM

Total Ins & Outs

North Leg		
603	284	AM
0	0	NOON
404	701	PM

West Leg			East Leg		
AM	NOON	PM			
547	0	210	81	0	114
202	0	934	116	0	189
			AM	NOON	PM

South Leg		
271	332	AM
0	0	NOON
580	228	PM

Total Volume Per Leg

North Leg	
887	AM
0	NOON
1105	PM

West Leg			East Leg		
AM	NOON	PM			
749	0	1144	197	0	303
			AM	NOON	PM

South Leg	
603	AM
0	NOON
808	PM

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: Historical

Day: Tuesday

City: El Segundo

Date: 5/3/2016

AM

NS/EW Streets:	Nash St			Nash St			Grand Ave			Grand Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	0	1	2	0	1	1	2	1	1	0	
7:00 AM	27	24	8	6	40	50	24	8	7	2	3	6	205
7:15 AM	32	41	12	4	55	43	20	11	12	3	8	3	244
7:30 AM	30	29	10	6	61	72	29	6	6	7	8	4	268
7:45 AM	48	36	18	10	49	73	27	9	9	4	13	11	307
8:00 AM	39	32	9	15	45	106	24	12	15	8	10	9	324
8:15 AM	40	25	6	13	49	83	33	6	14	9	8	10	296
8:30 AM	33	44	10	6	59	63	23	9	10	2	6	5	270
8:45 AM	42	42	10	9	39	116	27	11	18	3	1	10	328
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	291	273	83	69	397	606	207	72	91	38	57	58	2242
APPROACH %'s :	44.98%	42.19%	12.83%	6.44%	37.03%	56.53%	55.95%	19.46%	24.59%	24.84%	37.25%	37.91%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	154	143	35	43	192	368	107	38	57	22	25	34	1218
PEAK HR FACTOR :		0.883			0.908			0.902			0.750		0.928

UTURNS

NB	SB	EB	WB
0	0	0	0

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: Historical

Day: Tuesday

City: El Segundo

Date: 5/3/2016

PM

NS/EW Streets:	Nash St			Nash St			Grand Ave			Grand Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	1	2	0	1	2	0	1	1	2	1	1	0	
4:00 PM	9	33	3	1	46	29	89	14	67	5	2	7	305
4:15 PM	1	30	7	3	36	21	83	9	61	7	5	3	266
4:30 PM	7	43	2	9	55	25	81	16	75	5	3	6	327
4:45 PM	9	45	5	7	46	37	93	21	77	5	5	7	357
5:00 PM	3	40	5	11	51	34	134	41	103	11	6	7	446
5:15 PM	7	32	6	13	53	44	121	25	70	10	6	7	394
5:30 PM	4	60	14	20	51	31	132	30	96	11	16	10	475
5:45 PM	10	42	5	6	48	42	102	13	67	9	7	14	365
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	50	325	47	70	386	263	835	169	616	63	50	61	2935
APPROACH %'s :	11.85%	77.01%	11.14%	9.74%	53.69%	36.58%	51.54%	10.43%	38.02%	36.21%	28.74%	35.06%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	24	174	30	50	203	151	489	109	336	41	35	38	1680
PEAK HR FACTOR :		0.731			0.918			0.840			0.770		0.884

UTURNS	NB	SB	EB	WB
TOTAL	0	0	0	0

CONTROL : Signalized

National Data & Surveying Services

Intersection Turning Movement Count

Location: N Nash St & E El Segundo Blvd
City: El Segundo
Control: Signalized

Project ID: Historical
Date: 10/24/2019

Total

NS/EW Streets:	N Nash St				N Nash St				E El Segundo Blvd				E El Segundo Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	0.5	1.5	0	1.5	1.5	1	0	2	3	1	0	2	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	3	1	3	0	22	20	9	0	4	112	2	2	83	254	58	1	574
7:15 AM	0	2	1	0	26	19	7	0	8	114	9	2	71	280	64	3	606
7:30 AM	0	3	2	0	24	24	11	0	8	176	6	1	62	351	66	4	738
7:45 AM	1	4	0	0	30	24	14	0	11	163	10	3	69	344	96	1	770
8:00 AM	0	4	2	0	25	23	6	0	17	165	6	3	66	336	74	8	735
8:15 AM	0	2	2	0	33	21	13	0	14	163	3	4	68	314	86	10	733
8:30 AM	2	4	0	0	36	17	9	0	19	127	10	1	95	349	97	5	771
8:45 AM	1	6	4	0	30	20	8	1	13	150	6	1	73	384	89	3	789
9:00 AM	0	4	5	0	31	17	3	0	15	123	9	6	73	411	74	4	775
9:15 AM	2	5	1	0	31	22	5	0	14	151	6	5	55	330	40	4	671
9:30 AM	1	3	3	0	20	12	8	0	6	138	4	4	37	271	36	4	547
9:45 AM	0	3	1	0	22	13	4	0	14	120	3	0	57	331	45	5	618
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	10	41	24	0	330	232	97	1	143	1702	74	32	809	3955	825	52	8327
APPROACH %'s :	13.33%	54.67%	32.00%	0.00%	50.00%	35.15%	14.70%	0.15%	7.33%	87.24%	3.79%	1.64%	14.34%	70.11%	14.63%	0.92%	
PEAK HR :	08:15 AM - 09:15 AM																TOTAL
PEAK HR VOL :	3	16	11	0	130	75	33	1	61	563	28	12	309	1458	346	22	3068
PEAK HR FACTOR :	0.375	0.667	0.550	0.000	0.903	0.893	0.635	0.250	0.803	0.863	0.700	0.500	0.813	0.887	0.892	0.550	0.972
	0.682				0.892				0.902				0.950				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	2	0.5	1.5	0	1.5	1.5	1	0	2	3	1	0	2	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	5	17	39	0	98	2	16	0	12	287	0	4	8	230	57	10	785
4:15 PM	3	10	36	0	82	10	12	0	4	259	2	6	3	204	55	4	690
4:30 PM	2	16	45	0	95	4	17	0	15	404	0	2	3	231	37	5	876
4:45 PM	5	15	39	0	84	4	11	0	11	288	1	2	6	202	42	1	711
5:00 PM	8	20	46	0	107	4	21	0	11	401	3	2	5	191	40	6	865
5:15 PM	2	8	22	0	85	1	16	0	7	363	2	6	3	177	32	2	726
5:30 PM	5	7	39	0	87	5	12	0	14	288	3	8	1	193	35	10	707
5:45 PM	2	4	21	0	92	1	9	0	9	279	2	5	1	190	28	2	645
6:00 PM	0	0	0	0	102	0	16	0	10	407	0	4	0	206	33	1	779
6:15 PM	0	0	0	0	70	0	22	0	7	328	0	3	0	175	28	6	639
6:30 PM	0	0	0	0	80	0	14	0	10	333	0	3	0	172	18	5	635
6:45 PM	0	0	0	0	56	0	9	0	10	273	0	5	0	149	24	5	531
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	32	97	287	0	1038	31	175	0	120	3910	13	50	30	2320	429	57	8589
APPROACH %'s :	7.69%	23.32%	68.99%	0.00%	83.44%	2.49%	14.07%	0.00%	2.93%	95.53%	0.32%	1.22%	1.06%	81.81%	15.13%	2.01%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	17	59	152	0	371	13	65	0	44	1456	6	12	17	801	151	14	3178
PEAK HR FACTOR :	0.531	0.738	0.826	0.000	0.867	0.813	0.774	0.000	0.733	0.901	0.500	0.500	0.708	0.867	0.899	0.583	0.907
	0.770				0.850				0.901				0.890				

Prepared by National Data & Surveying Services

N Nash St & E El Segundo Blvd

Peak Hour Turning Movement Count

ID: Historical
City: El Segundo

Day: Thursday
Date: 10/24/2019

PEAK HOURS

AM	08:15 AM - 09:15 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	04:00 PM - 07:00 PM

N Nash St — SOUTHBOUND

AM	33	75	130	1	424	AM
NOON	0	0	0	0	0	NOON
PM	65	13	371	0	254	PM

E El Segundo Blvd — EASTBOUND

AM	NOON	PM		
1506	0	895		
12	0	12	0	↩
61	0	44	2	↱
563	0	1456	3	→
28	0	6	1	↴
AM	NOON	PM		

E El Segundo Blvd — WESTBOUND

PM	NOON	AM		
151	0	346	0	↩
801	0	1458	3	←
17	0	309	2	↰
14	0	22	0	↩
1993	0	726		
PM	NOON	AM		

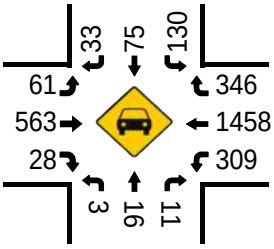
N Nash St — NORTHBOUND

PM	36	0	17	59	152	PM
NOON	0	0	0	0	0	NOON
AM	412	0	3	16	11	AM

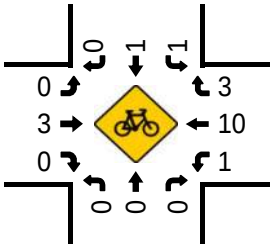
1	1.5	1.5	0	
0	2	0.5	1.5	

CONTROL			
Signalized			
TEV	3068 AM	0 NOON	3178 PM
PHF	0.97		0.91

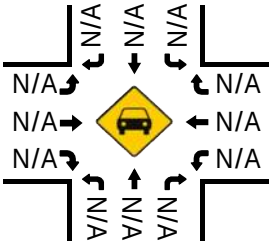
Total Vehicles (AM)



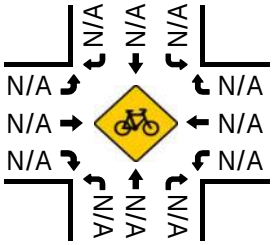
Bikes (AM)



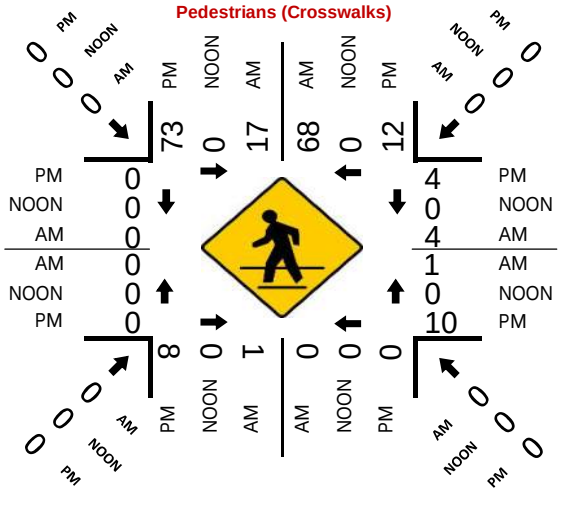
Total Vehicles (Noon)



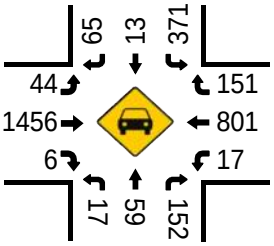
Bikes (NOON)



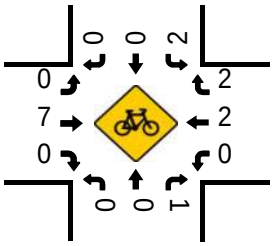
Pedestrians (Crosswalks)



Total Vehicles (PM)



Bikes (PM)



INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Dec 9, 20

LOCATION: El Segundo
NORTH & SOUTH: Nash
EAST & WEST: Atwood

PROJECT #: SC
LOCATION #: 1
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

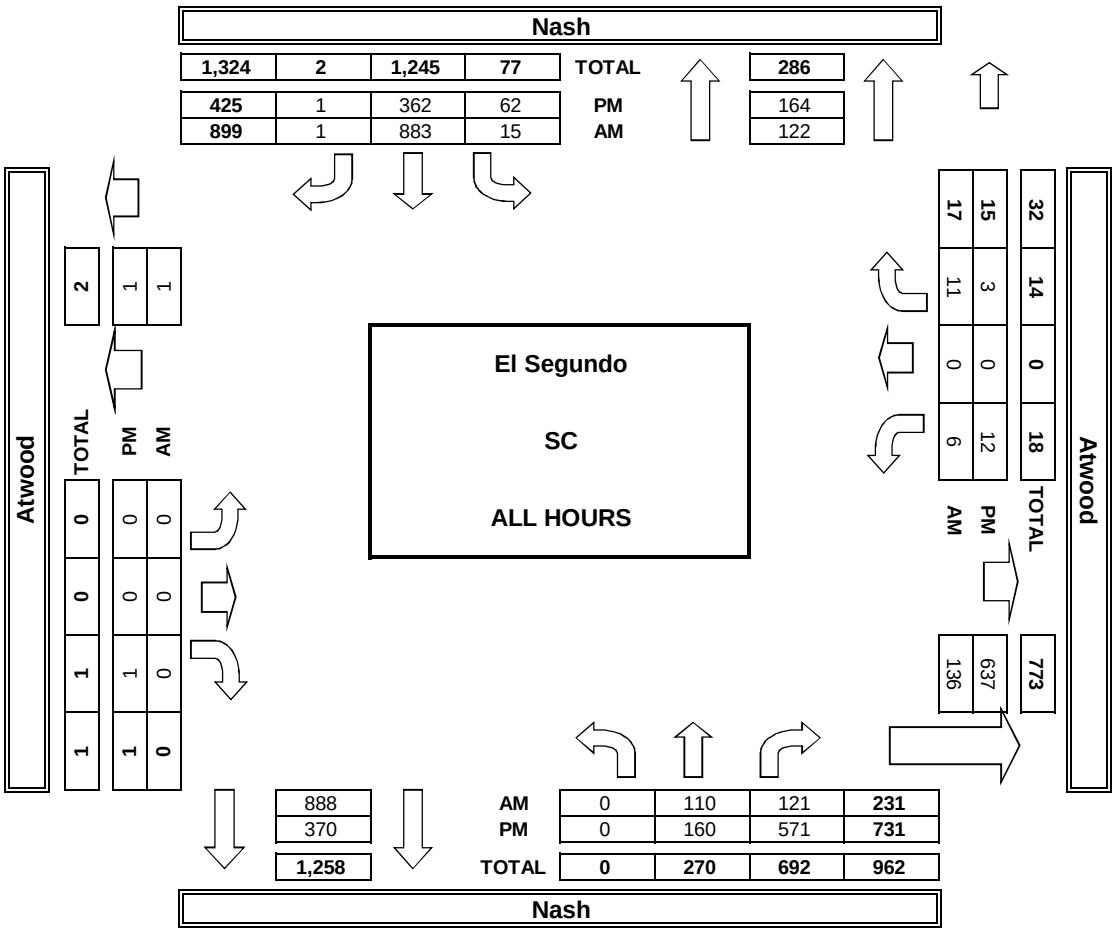
▲ N
◄ W E ►
S ▼

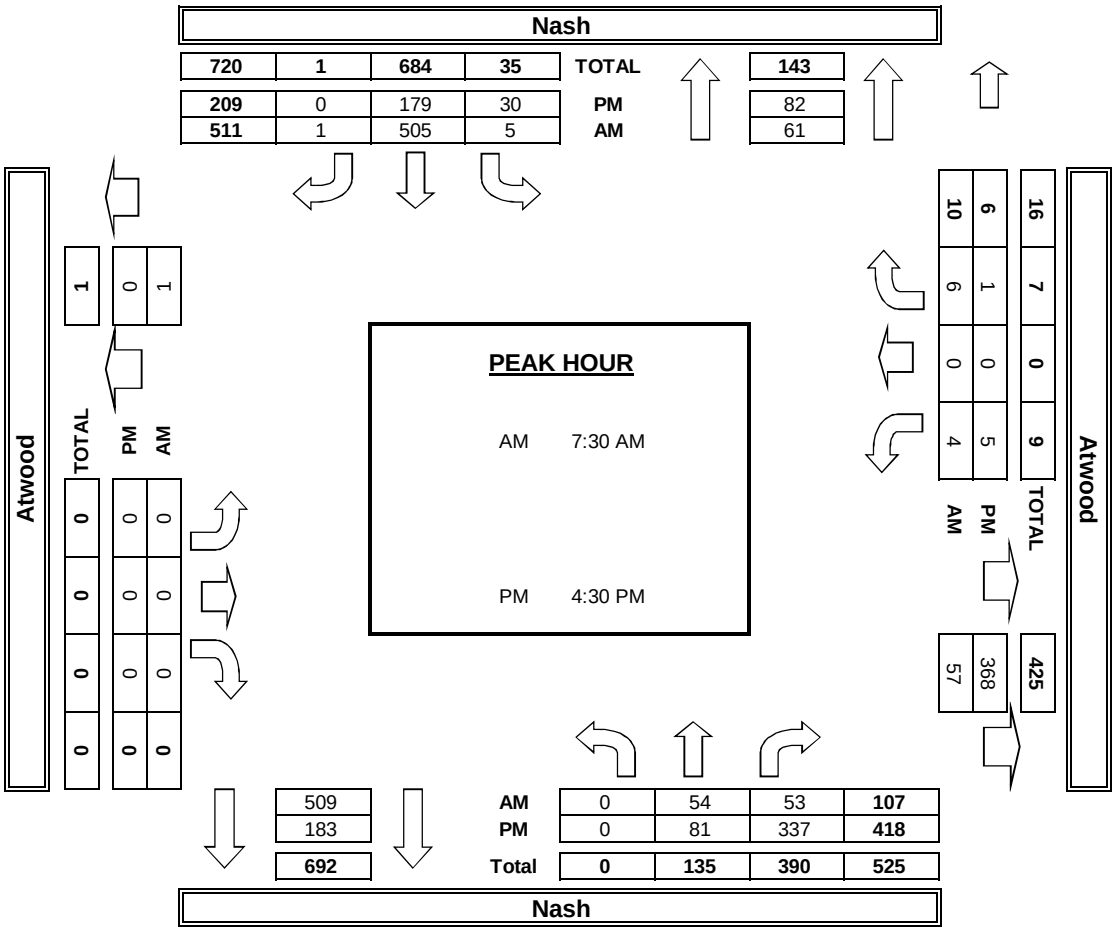
☑ Add U-Turns to Left Turns

		NORTHBOUND Nash			SOUTHBOUND Nash			EASTBOUND Atwood			WESTBOUND Atwood				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 0	ET 1	ER 0	WL 1	WT 0.5	WR 0.5	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	13	13	4	99	0	0	0	0	0	0	0	129	0	0	0	0	0
	7:15 AM	0	17	18	2	84	0	0	0	0	1	0	1	123	0	0	0	1	1
	7:30 AM	0	12	11	2	123	1	0	0	0	0	0	2	151	0	1	0	0	1
	7:45 AM	0	16	12	1	137	0	0	0	0	0	0	2	168	0	0	0	0	0
	8:00 AM	0	13	20	0	125	0	0	0	0	2	0	1	161	0	0	0	0	0
	8:15 AM	0	13	10	2	120	0	0	0	0	2	0	1	148	0	0	0	0	0
	8:30 AM	0	10	15	3	89	0	0	0	0	1	0	3	121	0	0	0	0	0
	8:45 AM	0	16	22	1	106	0	0	0	0	0	0	1	146	0	0	0	0	0
	VOLUMES	0	110	121	15	883	1	0	0	0	6	0	11	1,147	0	1	0	1	2
	APPROACH %	0%	48%	52%	2%	98%	0%	0%	0%	0%	35%	0%	65%						
	APP/DEPART	231	/	122	899	/	888	0	/	136	17	/	1	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	0	54	53	5	505	1	0	0	0	4	0	6	628					
	APPROACH %	0%	50%	50%	1%	99%	0%	0%	0%	0%	40%	0%	60%						
	PEAK HR FACTOR		0.811			0.926			0.000			0.833		0.935					
	APP/DEPART	107	/	61	511	/	509	0	/	57	10	/	1	0					
PM	4:00 PM	0	23	73	7	46	0	0	0	0	2	0	1	152	0	0	0	1	1
	4:15 PM	0	26	43	9	57	1	0	0	0	3	0	0	139	0	1	0	3	4
	4:30 PM	0	16	96	7	46	0	0	0	0	3	0	0	168	0	0	0	1	1
	4:45 PM	0	19	72	10	46	0	0	0	0	1	0	0	148	0	0	0	0	0
	5:00 PM	0	22	90	5	45	0	0	0	0	1	0	1	164	0	0	0	0	0
	5:15 PM	0	24	79	8	42	0	0	0	0	0	0	0	153	0	0	0	0	0
	5:30 PM	0	11	67	11	45	0	0	0	1	1	0	1	137	0	0	0	0	0
	5:45 PM	0	19	51	5	35	0	0	0	0	1	0	0	111	0	0	0	0	0
	VOLUMES	0	160	571	62	362	1	0	0	1	12	0	3	1,172	0	1	0	5	6
	APPROACH %	0%	22%	78%	15%	85%	0%	0%	0%	100%	80%	0%	20%						
	APP/DEPART	731	/	164	425	/	370	1	/	637	15	/	1	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	0	81	337	30	179	0	0	0	0	5	0	1	633					
	APPROACH %	0%	19%	81%	14%	86%	0%	0%	0%	0%	83%	0%	17%						
	PEAK HR FACTOR		0.933			0.933			0.000			0.500		0.942					
	APP/DEPART	418	/	82	209	/	183	0	/	368	6	/	0	0					

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Dec 9, 20

LOCATION: El Segundo
NORTH & SOUTH: Nash
EAST & WEST: Maple

PROJECT #: SC
LOCATION #: 2
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

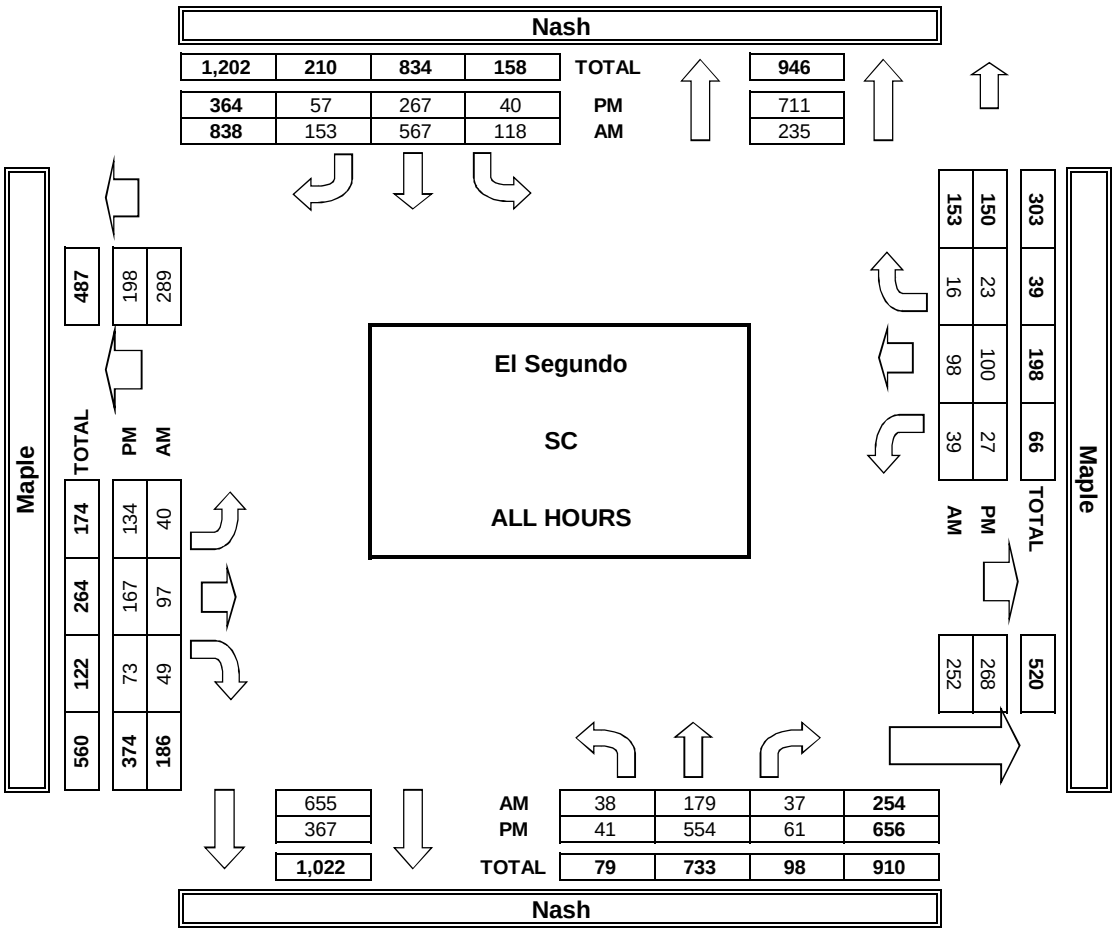
▲ N
◄ W E ►
S ▼

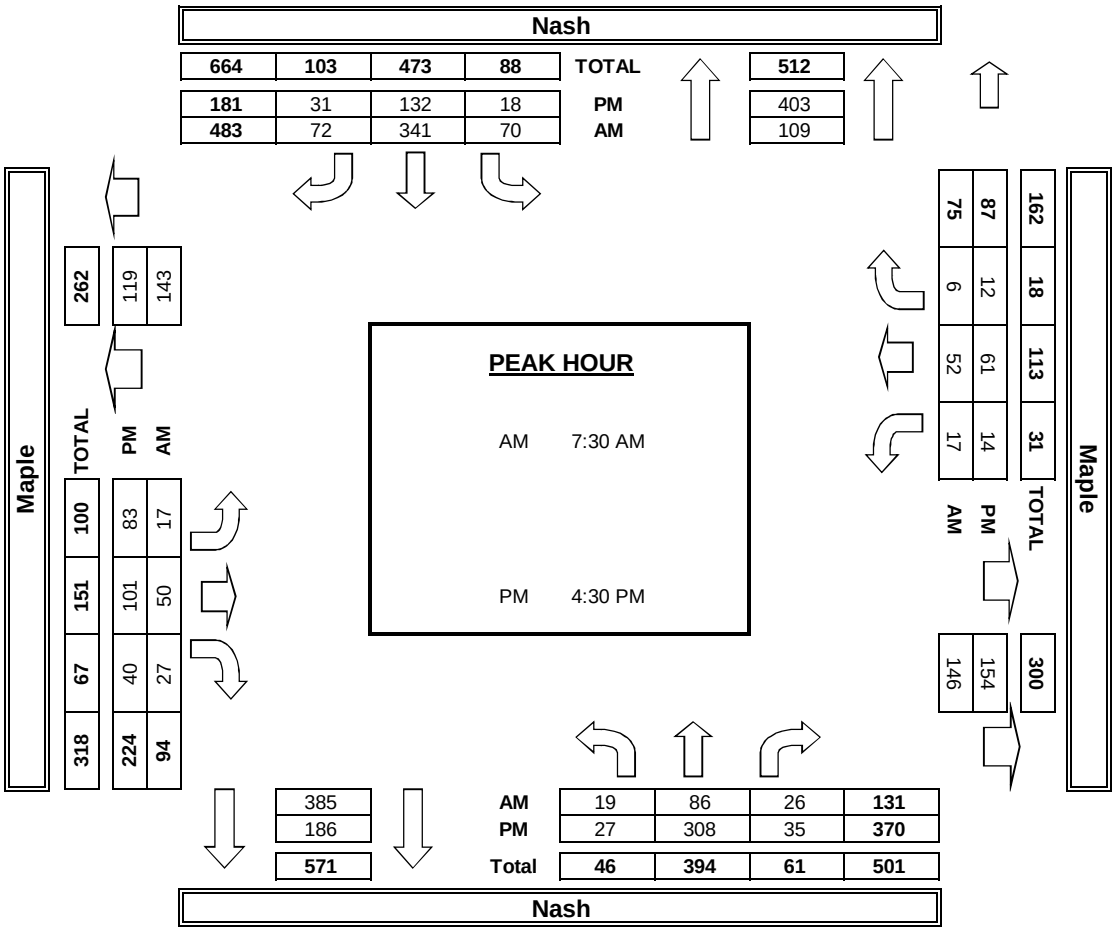
☑ Add U-Turns to Left Turns

		NORTHBOUND Nash			SOUTHBOUND Nash			EASTBOUND Maple			WESTBOUND Maple				U-TURNS				
	LANES:	NL 0.5	NT 1	NR 0.5	SL 0.5	ST 1	SR 0.5	EL 1	ET 1	ER 1	WL 1	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	4	22	1	10	62	25	2	7	5	6	4	2	150	0	0	0	0	0
	7:15 AM	4	26	3	9	50	22	3	11	3	6	14	4	155	0	0	0	0	0
	7:30 AM	7	17	4	12	82	21	7	15	5	5	14	1	190	0	0	0	0	0
	7:45 AM	3	24	9	19	104	13	3	11	9	4	17	1	217	0	0	0	0	0
	8:00 AM	3	25	6	20	81	20	5	11	7	2	9	4	193	0	0	0	0	0
	8:15 AM	6	20	7	19	74	18	2	13	6	6	12	0	183	0	0	0	0	0
	8:30 AM	4	18	3	9	53	22	6	19	6	6	12	3	161	0	0	0	0	0
	8:45 AM	7	27	4	20	61	12	12	10	8	4	16	1	182	0	0	0	0	0
	VOLUMES	38	179	37	118	567	153	40	97	49	39	98	16	1,431	0	0	0	0	0
	APPROACH %	15%	70%	15%	14%	68%	18%	22%	52%	26%	25%	64%	10%						
	APP/DEPART	254	/	235	838	/	655	186	/	252	153	/	289	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	19	86	26	70	341	72	17	50	27	17	52	6	783					
	APPROACH %	15%	66%	20%	14%	71%	15%	18%	53%	29%	23%	69%	8%						
	PEAK HR FACTOR		0.910			0.888			0.870			0.852		0.902					
	APP/DEPART	131	/	109	483	/	385	94	/	146	75	/	143	0					
PM	4:00 PM	4	80	4	3	36	8	13	15	9	5	10	3	190	0	0	0	0	0
	4:15 PM	2	53	5	7	38	9	15	19	11	1	10	3	173	0	0	0	0	0
	4:30 PM	6	75	5	6	31	11	32	29	6	4	13	2	220	0	0	0	0	0
	4:45 PM	9	68	3	7	33	7	17	18	17	5	15	5	204	0	0	0	0	0
	5:00 PM	8	81	13	3	33	8	19	32	11	3	17	3	231	0	0	0	0	0
	5:15 PM	4	84	14	2	35	5	15	22	6	2	16	2	207	0	0	0	0	0
	5:30 PM	3	56	8	9	30	8	14	16	8	3	10	3	168	0	0	0	0	0
	5:45 PM	5	57	9	3	31	1	9	16	5	4	9	2	151	0	0	0	0	0
	VOLUMES	41	554	61	40	267	57	134	167	73	27	100	23	1,544	0	0	0	0	0
	APPROACH %	6%	84%	9%	11%	73%	16%	36%	45%	20%	18%	67%	15%						
	APP/DEPART	656	/	711	364	/	367	374	/	268	150	/	198	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	27	308	35	18	132	31	83	101	40	14	61	12	862					
	APPROACH %	7%	83%	9%	10%	73%	17%	37%	45%	18%	16%	70%	14%						
	PEAK HR FACTOR		0.907			0.943			0.836			0.870		0.933					
	APP/DEPART	370	/	403	181	/	186	224	/	154	87	/	119	0					

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Dec 9, 20

LOCATION: El Segundo
NORTH & SOUTH: Nash
EAST & WEST: Mariposa

PROJECT #: SC
LOCATION #: 3
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

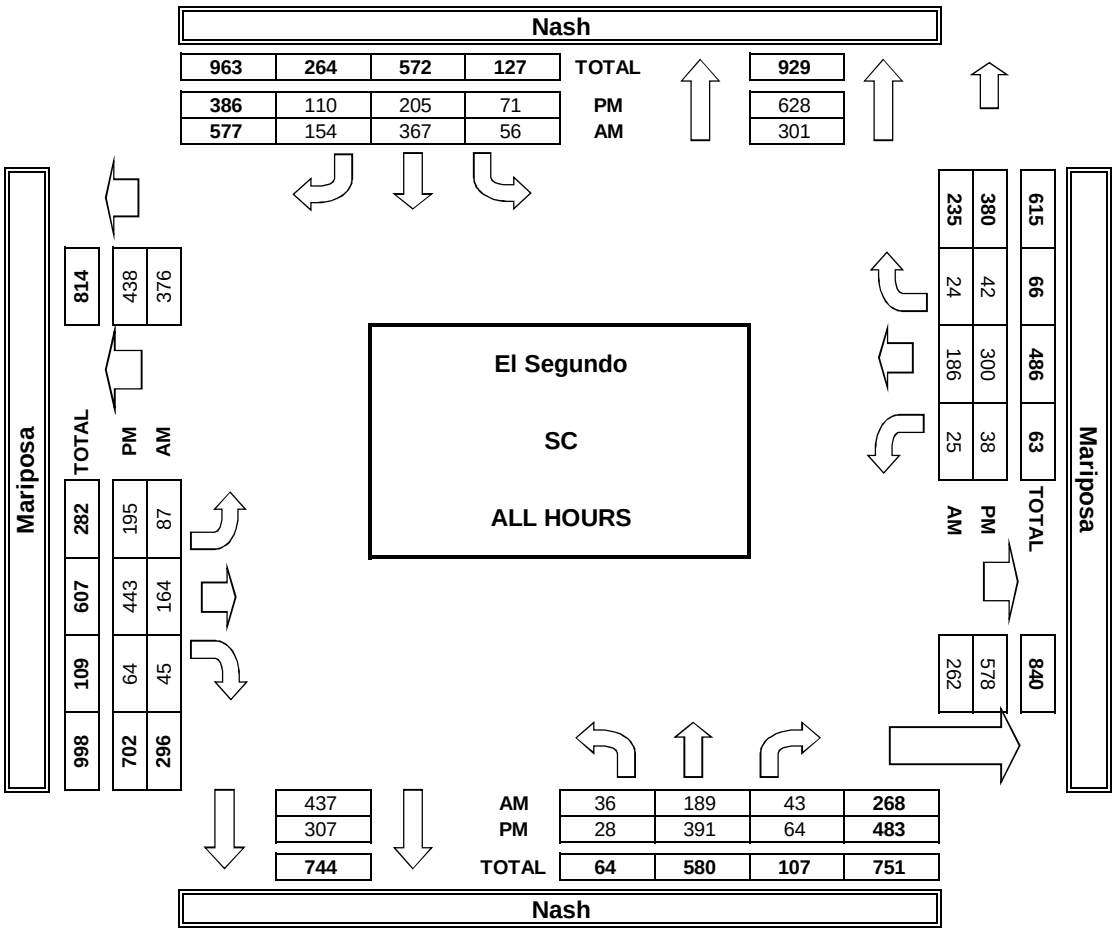
▲ N
◄ W E ►
S ▼

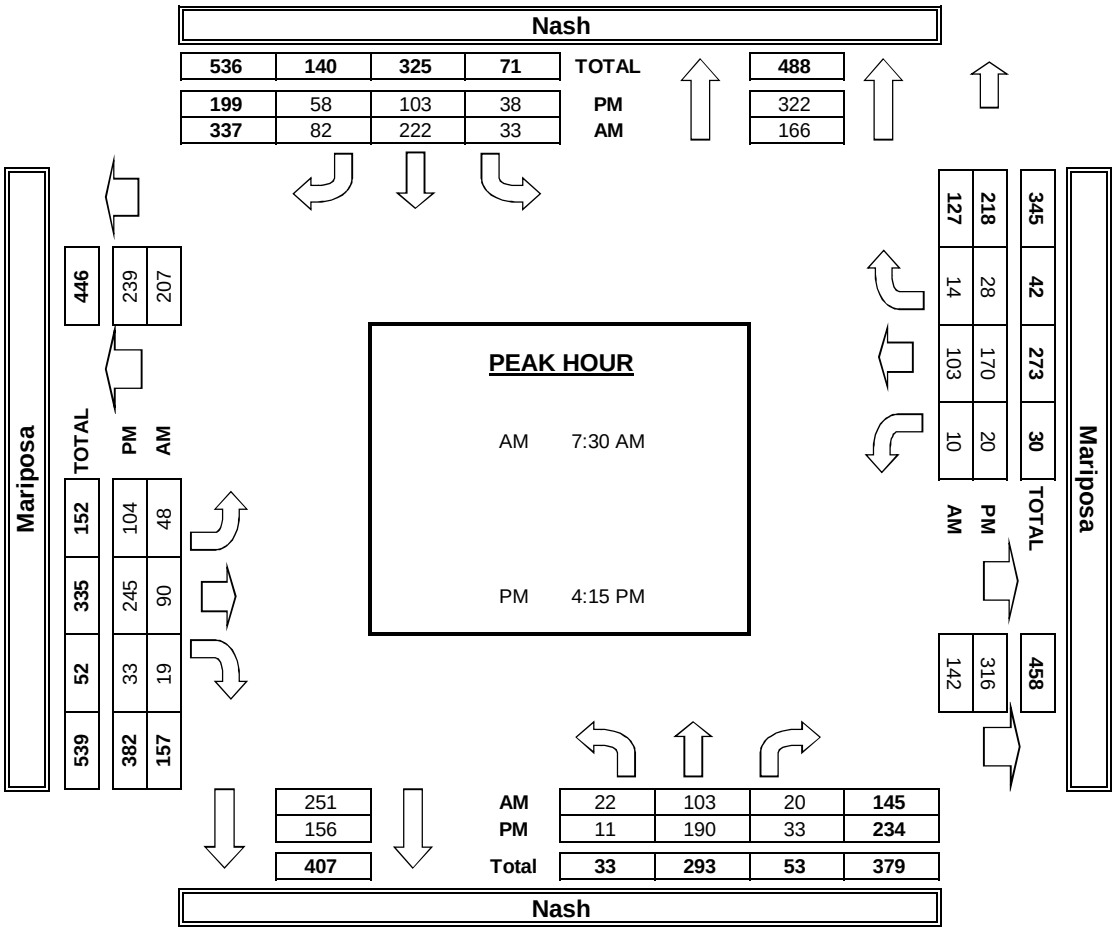
☑ Add U-Turns to Left Turns

		NORTHBOUND (Nash)			SOUTHBOUND (Nash)			EASTBOUND (Mariposa)			WESTBOUND (Mariposa)				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	3	18	6	7	42	23	10	14	5	5	21	2	156	0	0	0	0	0
	7:15 AM	3	23	7	6	35	16	6	12	2	4	16	3	133	0	0	0	0	0
	7:30 AM	4	17	2	7	53	24	12	17	4	6	21	2	169	0	0	0	0	0
	7:45 AM	5	26	5	10	63	23	13	28	8	1	36	3	221	0	1	0	0	1
	8:00 AM	4	27	9	11	53	18	11	19	3	0	20	6	181	0	0	0	0	0
	8:15 AM	9	33	4	5	53	17	12	26	4	3	26	3	195	0	0	0	0	0
	8:30 AM	5	19	2	4	30	16	12	25	5	4	25	2	149	0	0	0	0	0
	8:45 AM	3	26	8	6	38	17	11	23	14	2	21	3	172	0	0	0	0	0
	VOLUMES	36	189	43	56	367	154	87	164	45	25	186	24	1,376	0	1	0	0	1
	APPROACH %	13%	71%	16%	10%	64%	27%	29%	55%	15%	11%	79%	10%						
	APP/DEPART	268	/	301	577	/	437	296	/	262	235	/	376	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	22	103	20	33	222	82	48	90	19	10	103	14	766					
	APPROACH %	15%	71%	14%	10%	66%	24%	31%	57%	12%	8%	81%	11%						
	PEAK HR FACTOR		0.788			0.878			0.801			0.794		0.867					
	APP/DEPART	145	/	166	337	/	251	157	/	142	127	/	207	0					
PM	4:00 PM	8	46	5	13	29	13	30	66	7	4	48	7	276	0	0	0	0	0
	4:15 PM	1	39	7	8	28	15	16	50	5	6	45	6	226	0	0	0	0	0
	4:30 PM	2	47	12	6	21	17	31	84	8	2	48	7	285	0	0	0	0	0
	4:45 PM	5	44	6	14	24	11	23	54	7	6	40	8	242	0	0	0	0	0
	5:00 PM	3	60	8	10	30	15	34	57	13	6	37	7	280	0	0	0	0	0
	5:15 PM	2	65	10	7	24	15	29	38	4	4	19	3	220	0	0	0	0	0
	5:30 PM	2	38	5	8	20	18	18	48	11	6	26	2	202	0	0	0	0	0
	5:45 PM	5	52	11	5	29	6	14	46	9	4	37	2	220	0	0	0	0	0
	VOLUMES	28	391	64	71	205	110	195	443	64	38	300	42	1,951	0	0	0	0	0
	APPROACH %	6%	81%	13%	18%	53%	28%	28%	63%	9%	10%	79%	11%						
	APP/DEPART	483	/	628	386	/	307	702	/	578	380	/	438	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	11	190	33	38	103	58	104	245	33	20	170	28	1,033					
	APPROACH %	5%	81%	14%	19%	52%	29%	27%	64%	9%	9%	78%	13%						
	PEAK HR FACTOR		0.824			0.905			0.776			0.956		0.906					
	APP/DEPART	234	/	322	199	/	156	382	/	316	218	/	239	0					

AimTD LLC

TURNING MOVEMENT COUNTS





INTERSECTION TURNING MOVEMENT COUNTS

T218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Wed, Dec 9, 20

LOCATION: El Segundo
NORTH & SOUTH: Nash
EAST & WEST: Grand

PROJECT #: SC
LOCATION #: 4
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER

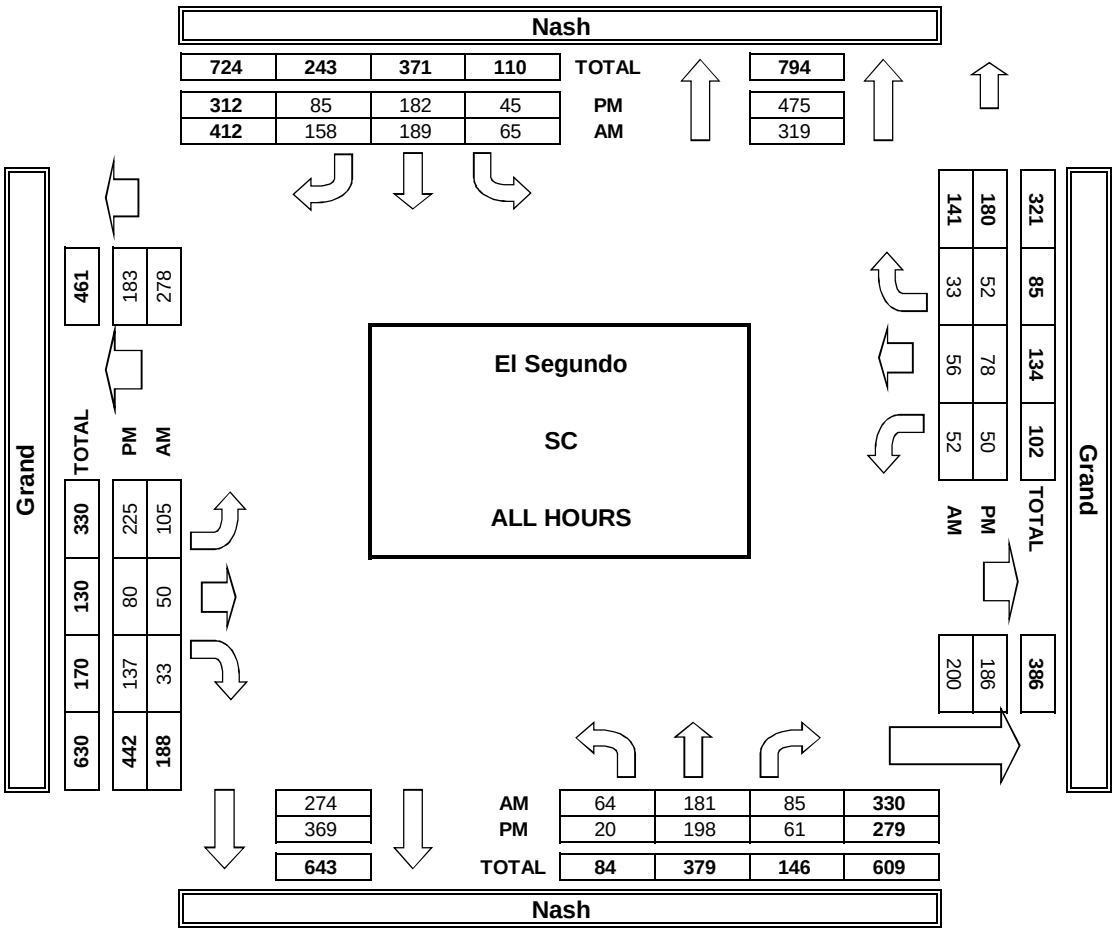
▲ N
◄ W E ►
S ▼

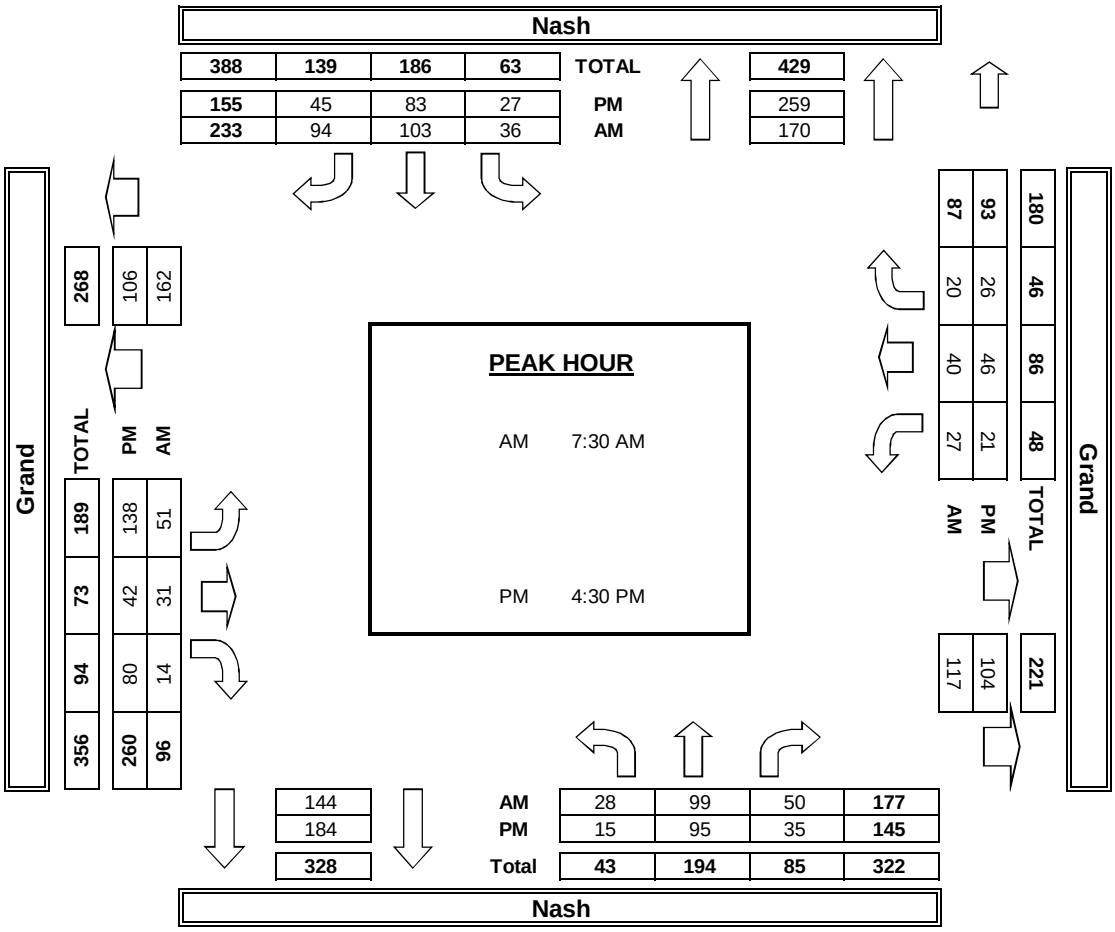
☑ Add U-Turns to Left Turns

		NORTHBOUND Nash			SOUTHBOUND Nash			EASTBOUND Grand			WESTBOUND Grand				U-TURNS				
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 2	WL 1	WT 1	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	8	17	6	11	19	15	9	5	4	5	5	0	104	0	0	0	0	0
	7:15 AM	7	29	8	4	23	12	12	1	4	6	4	6	116	0	0	0	0	0
	7:30 AM	8	25	13	6	23	27	8	3	2	4	7	1	127	0	0	0	0	0
	7:45 AM	6	26	9	9	33	30	17	6	6	10	6	3	161	0	0	0	0	0
	8:00 AM	10	21	12	9	22	18	16	15	3	6	18	9	159	0	0	0	0	0
	8:15 AM	4	27	16	12	25	19	10	7	3	7	9	7	146	0	0	0	0	0
	8:30 AM	6	14	9	6	17	17	12	3	6	6	5	4	105	0	0	0	0	0
	8:45 AM	15	22	12	8	27	20	21	10	5	8	2	3	153	0	0	0	0	0
	VOLUMES	64	181	85	65	189	158	105	50	33	52	56	33	1,071	0	0	0	0	0
	APPROACH %	19%	55%	26%	16%	46%	38%	56%	27%	18%	37%	40%	23%						
	APP/DEPART	330	/	319	412	/	274	188	/	200	141	/	278	0					
	BEGIN PEAK HR		7:30 AM																
	VOLUMES	28	99	50	36	103	94	51	31	14	27	40	20	593					
	APPROACH %	16%	56%	28%	15%	44%	40%	53%	32%	15%	31%	46%	23%						
	PEAK HR FACTOR		0.941			0.809			0.706			0.659		0.921					
	APP/DEPART	177	/	170	233	/	144	96	/	117	87	/	162	0					
PM	4:00 PM	0	23	4	2	28	6	32	5	20	5	8	4	137	0	0	0	0	0
	4:15 PM	1	31	5	5	24	13	15	5	15	6	3	4	127	0	0	0	0	0
	4:30 PM	6	26	5	5	21	9	31	15	14	4	12	5	153	0	0	0	0	0
	4:45 PM	1	23	8	9	21	13	23	13	15	3	15	9	153	0	0	0	0	0
	5:00 PM	5	25	13	6	26	11	39	8	31	7	14	4	189	0	0	0	0	0
	5:15 PM	3	21	9	7	15	12	45	6	20	7	5	8	158	0	0	0	0	0
	5:30 PM	3	20	5	3	23	11	17	14	13	7	6	6	128	0	0	0	0	0
	5:45 PM	1	29	12	8	24	10	23	14	9	11	15	12	168	0	0	0	0	0
	VOLUMES	20	198	61	45	182	85	225	80	137	50	78	52	1,213	0	0	0	0	0
	APPROACH %	7%	71%	22%	14%	58%	27%	51%	18%	31%	28%	43%	29%						
	APP/DEPART	279	/	475	312	/	369	442	/	186	180	/	183	0					
	BEGIN PEAK HR		4:30 PM																
	VOLUMES	15	95	35	27	83	45	138	42	80	21	46	26	653					
	APPROACH %	10%	66%	24%	17%	54%	29%	53%	16%	31%	23%	49%	28%						
	PEAK HR FACTOR		0.843			0.901			0.833			0.861		0.864					
	APP/DEPART	145	/	259	155	/	184	260	/	104	93	/	106	0					

AimTD LLC

TURNING MOVEMENT COUNTS





APPENDIX C

INTERSECTION ANALYSIS WORKSHEETS

APPENDIX C-1

INTERSECTION ANALYSIS WORKSHEETS – EXISTING CONDITIONS

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	21	3	2565	2307	29
Future Vol, veh/h	2	21	3	2565	2307	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	23	3	2091	1881	32

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	2739	957	1913	0	-	0
Stage 1	1897	-	-	-	-	-
Stage 2	842	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*330	*379	*477	-	-	-
Stage 1	*389	-	-	-	-	-
Stage 2	*329	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*328	*379	*477	-	-	-
Mov Cap-2 Maneuver	*328	-	-	-	-	-
Stage 1	*387	-	-	-	-	-
Stage 2	*329	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	15.3	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 477	-	374	-	-
HCM Lane V/C Ratio	0.007	-	0.067	-	-
HCM Control Delay (s)	12.6	-	15.3	-	-
HCM Lane LOS	B	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	19	2567	50	0	2338
Future Vol, veh/h	0	19	2567	50	0	2338
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	21	2093	54	0	1906

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1074	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*320	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*320	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	17	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	320	-
HCM Lane V/C Ratio	-	-	0.065	-
HCM Control Delay (s)	-	-	17	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.2	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	8	2568	118	0	2328
Future Vol, veh/h	0	8	2568	118	0	2328
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	9	2093	128	0	1898

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1111	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*320	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*320	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	16.6	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	320	-
HCM Lane V/C Ratio	-	-	0.027	-
HCM Control Delay (s)	-	-	16.6	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.1	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH AM.vistro
Report File: K:\...\1 EX AM.pdf

Scenario 1 EX AM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	NB Right	0.872	-	D
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	NB Thru	0.800	-	C
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.731	-	C
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	NB Right	0.662	-	B
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Right	0.616	-	B
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Thru	0.977	-	E
8	Nash Street at Imperial Highway	Signalized	ICU 1	SB Thru	0.644	-	B
9	Nash Street at Atwood Way	Signalized	ICU 1	SB Thru	0.353	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	SB Thru	0.731	-	C
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.467	-	A
12	Nash Street at Grand Avenue	Signalized	ICU 1	SB Right	0.534	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	WB Thru	0.559	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.872

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	108	633	93	59	282	26	23	85	70	44	89	46
Total Analysis Volume [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.45	0.45	0.08	0.18	0.06	0.06	0.11	0.18	0.06	0.11	0.12
Intersection LOS	D											
Intersection V/C	0.872											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.800

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	542	109	100	323	45	31	42	19	8	13	14
Total Analysis Volume [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.34	0.27	0.25	0.23	0.23	0.04	0.08	0.08	0.01	0.02	0.04
Intersection LOS	C											
Intersection V/C	0.800											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.731

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	583	26	0	59	502	18	24	47	14	14	25	23
Total Analysis Volume [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.36	0.07	0.00	0.08	0.32	0.32	0.06	0.15	0.15	0.03	0.06	0.06
Intersection LOS	C												
Intersection V/C	0.731												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.662

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	18	557	43	29	564	14	22	26	11	10	13	11
Total Analysis Volume [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.04	0.37	0.37	0.07	0.36	0.36	0.05	0.09	0.09	0.02	0.03	0.03
Intersection LOS	B												
Intersection V/C	0.662												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.616

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	555	18	16	599	53	17	8	6	3	3	5
Total Analysis Volume [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.36	0.36	0.04	0.41	0.41	0.04	0.03	0.03	0.01	0.02	0.02
Intersection LOS	B											
Intersection V/C	0.616											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.977

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	445	113	107	580	3	51	71	38	55	83	115
Total Analysis Volume [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.37	0.28	0.15	0.36	0.36	0.07	0.06	0.09	0.08	0.07	0.29
Intersection LOS	E											
Intersection V/C	0.977											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.644

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	18	95	199	105	0	158	29	80	218	0
Total Analysis Volume [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Overla	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.00	0.24	0.25	0.25	0.00	0.16	0.16	0.11	0.18	0.00
Intersection LOS	B											
Intersection V/C	0.644											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.353

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	21	21	2	197	1	0	0	0	2	0	2
Total Analysis Volume [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.05	0.01	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.01
Intersection LOS	A											
Intersection V/C	0.353											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.731

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	11	21	211	46	17	30	10	10	42	6
Total Analysis Volume [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.12	0.05	0.35	0.35	0.04	0.07	0.02	0.03	0.12	0.12
Intersection LOS	C											
Intersection V/C	0.731											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.467

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	75	15	17	124	50	22	57	11	9	56	7
Total Analysis Volume [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.11	0.11	0.04	0.22	0.22	0.05	0.07	0.03	0.02	0.08	0.08
Intersection LOS	A											
Intersection V/C	0.467											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.534

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	39	36	9	11	49	93	27	10	15	6	6	9
Total Analysis Volume [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

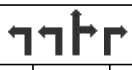
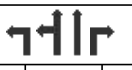
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.06	0.06	0.03	0.18	0.18	0.07	0.01	0.04	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.534											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.559

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	4	3	33	19	8	18	141	7	83	366	87
Total Analysis Volume [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.01	0.04	0.05	0.02	0.03	0.12	0.02	0.12	0.38	0.38
Intersection LOS	A											
Intersection V/C	0.559											

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	8	11	2	2359	2744	31
Future Vol, veh/h	8	11	2	2359	2744	31
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	12	2	1923	2237	34

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3027	1136	2271	0	-	0
Stage 1	2254	-	-	-	-	-
Stage 2	773	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*209	*261	*329	-	-	-
Stage 1	*268	-	-	-	-	-
Stage 2	*359	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*208	*261	*329	-	-	-
Mov Cap-2 Maneuver	*208	-	-	-	-	-
Stage 1	*267	-	-	-	-	-
Stage 2	*359	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	21.7	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 329	-	236	-	-
HCM Lane V/C Ratio	0.007	-	0.088	-	-
HCM Control Delay (s)	16	-	21.7	-	-
HCM Lane LOS	C	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	114	2455	9	0	2790
Future Vol, veh/h	0	114	2455	9	0	2790
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	124	2001	10	0	2274

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1006	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*350	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*350	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	20.8	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	350	-
HCM Lane V/C Ratio	-	-	0.354	-
HCM Control Delay (s)	-	-	20.8	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	1.6	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	49	2361	22	0	2755
Future Vol, veh/h	0	49	2361	22	0	2755
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	53	1925	24	0	2246

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	975	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*350	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*350	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	17.1	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	350	-
HCM Lane V/C Ratio	-	-	0.152	-
HCM Control Delay (s)	-	-	17.1	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.5	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH PM.vistro
Report File: K:\...\1 EX PM.pdf

Scenario 1 EX PM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	SB Thru	1.099	-	F
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	SB Thru	0.876	-	D
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.823	-	D
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	SB Thru	0.729	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Right	0.690	-	B
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Right	1.183	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	EB Thru	0.484	-	A
9	Nash Street at Atwood Way	Signalized	ICU 1	NB Thru	0.338	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	NB Thru	0.675	-	B
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.600	-	A
12	Nash Street at Grand Avenue	Signalized	ICU 1	EB Left	0.582	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	EB Thru	0.597	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report

Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.099

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	81	354	66	54	635	22	28	130	133	115	91	72
Total Analysis Volume [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.26	0.26	0.07	0.40	0.06	0.07	0.16	0.33	0.16	0.11	0.18
Intersection LOS	F											
Intersection V/C	1.099											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.876

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	413	32	27	571	33	59	36	40	85	42	77
Total Analysis Volume [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.26	0.08	0.07	0.38	0.38	0.07	0.11	0.11	0.12	0.05	0.19
Intersection LOS	D											
Intersection V/C	0.876											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.823

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	501	37	0	56	605	20	27	57	11	31	60	59
Total Analysis Volume [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.31	0.09	0.00	0.08	0.39	0.39	0.07	0.17	0.17	0.08	0.15	0.15
Intersection LOS	D												
Intersection V/C	0.823												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.729

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	29	571	14	23	656	10	18	14	11	31	24	35
Total Analysis Volume [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.07	0.37	0.37	0.06	0.42	0.42	0.05	0.06	0.06	0.08	0.06	0.09
Intersection LOS	C												
Intersection V/C	0.729												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.690

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	603	7	9	658	20	38	10	21	13	3	14
Total Analysis Volume [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.38	0.38	0.02	0.42	0.42	0.09	0.08	0.08	0.03	0.04	0.04
Intersection LOS	B											
Intersection V/C	0.690											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.183

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	43	398	217	159	589	4	39	99	53	36	71	107
Total Analysis Volume [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.33	0.54	0.22	0.37	0.37	0.05	0.08	0.13	0.05	0.06	0.27
Intersection LOS	F											
Intersection V/C	1.183											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.484

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	0	59	23	54	50	0	255	19	7	154	0
Total Analysis Volume [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Overla	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.00	0.06	0.09	0.09	0.00	0.23	0.23	0.01	0.13	0.00
Intersection LOS	A											
Intersection V/C	0.484											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.338

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	32	132	12	70	0	0	0	0	2	0	1
Total Analysis Volume [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.20	0.20	0.03	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Intersection LOS	A											
Intersection V/C	0.338											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.675

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	169	26	17	84	12	28	66	11	7	20	4
Total Analysis Volume [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.25	0.25	0.04	0.14	0.14	0.07	0.16	0.03	0.02	0.06	0.06
Intersection LOS	B											
Intersection V/C	0.675											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.600

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	138	38	18	62	23	56	136	14	9	68	9
Total Analysis Volume [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.22	0.22	0.04	0.11	0.11	0.14	0.17	0.03	0.02	0.10	0.10
Intersection LOS	A											
Intersection V/C	0.600											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.582

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	44	8	13	51	38	124	28	85	10	9	10
Total Analysis Volume [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

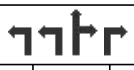
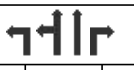
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.06	0.06	0.03	0.11	0.11	0.31	0.03	0.21	0.03	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.582											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.597

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	15	38	93	3	16	14	365	2	8	201	38
Total Analysis Volume [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.07	0.07	0.12	0.01	0.04	0.02	0.30	0.00	0.01	0.20	0.20
Intersection LOS	A											
Intersection V/C	0.597											

APPENDIX C-2

INTERSECTION ANALYSIS WORKSHEETS –
EXISTING PLUS PROJECT

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	21	3	2635	2371	29
Future Vol, veh/h	2	21	3	2635	2371	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	23	3	2148	1933	32

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	2814	983	1965	0	-	0
Stage 1	1949	-	-	-	-	-
Stage 2	865	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*300	*350	*440	-	-	-
Stage 1	*359	-	-	-	-	-
Stage 2	*298	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*298	*350	*440	-	-	-
Mov Cap-2 Maneuver	*298	-	-	-	-	-
Stage 1	*356	-	-	-	-	-
Stage 2	*298	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	16.2	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 440	-	345	-	-
HCM Lane V/C Ratio	0.007	-	0.072	-	-
HCM Control Delay (s)	13.2	-	16.2	-	-
HCM Lane LOS	B	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	50	2577	237	0	2402
Future Vol, veh/h	0	50	2577	237	0	2402
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	54	2101	258	0	1958

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1180	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*320	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*320	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	18.5	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	320	-
HCM Lane V/C Ratio	-	-	0.17	-
HCM Control Delay (s)	-	-	18.5	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.6	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	39	2628	306	0	2392
Future Vol, veh/h	0	39	2628	306	0	2392
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	42	2142	333	0	1950

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1238	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*291	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*291	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	19.5	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	291	-
HCM Lane V/C Ratio	-	-	0.146	-
HCM Control Delay (s)	-	-	19.5	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.5	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH AM.vistro
Report File: K:\...\2 EX WP AM.pdf

Scenario 2 EX WP AM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	NB Thru	0.874	-	D
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	NB Thru	0.807	-	D
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.739	-	C
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	NB Thru	0.664	-	B
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Right	0.625	-	B
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Thru	0.977	-	E
8	Nash Street at Imperial Highway	Signalized	ICU 1	SB Thru	0.646	-	B
9	Nash Street at Atwood Way	Signalized	ICU 1	SB Thru	0.353	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	SB Thru	0.731	-	C
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.472	-	A
12	Nash Street at Grand Avenue	Signalized	ICU 1	SB Thru	0.480	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	WB Thru	0.564	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report

Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.874

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	12	0	0	2	1	6	0	0	0	0	24
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	430	2545	372	235	1130	103	98	338	281	175	357	209
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	108	636	93	59	283	26	25	85	70	44	89	52
Total Analysis Volume [veh/h]	430	2545	372	235	1130	103	98	338	281	175	357	209
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.46	0.46	0.08	0.18	0.06	0.06	0.11	0.18	0.06	0.11	0.13
Intersection LOS	D											
Intersection V/C	0.874											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.807

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	42	0	0	3	1	6	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	137	2210	435	399	1295	179	128	166	76	33	53	57
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	34	553	109	100	324	45	32	42	19	8	13	14
Total Analysis Volume [veh/h]	137	2210	435	399	1295	179	128	166	76	33	53	57
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.35	0.27	0.25	0.23	0.23	0.04	0.08	0.08	0.01	0.02	0.04
Intersection LOS	D											
Intersection V/C	0.807											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.739

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	48	0	60	0	4	0	0	0	0	0	0	12
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	78	2378	105	60	235	2011	72	94	188	55	54	101	102
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	595	26	15	59	503	18	24	47	14	14	25	26
Total Analysis Volume [veh/h]	78	2378	105	60	235	2011	72	94	188	55	54	101	102
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.37	0.07	0.04	0.08	0.33	0.33	0.06	0.15	0.15	0.03	0.06	0.06
Intersection LOS	C												
Intersection V/C	0.739												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.664

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	4	0	10	6	0	60	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	71	2238	176	114	2316	57	87	103	44	38	52	43
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	18	560	44	29	579	14	22	26	11	10	13	11
Total Analysis Volume [veh/h]	4	71	2238	176	114	2316	57	87	103	44	38	52	43
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.04	0.38	0.38	0.07	0.37	0.37	0.05	0.09	0.09	0.02	0.03	0.03
Intersection LOS	B												
Intersection V/C	0.664												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.625

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	10	0	0	60	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	74	2229	71	64	2455	211	68	30	24	13	12	20
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	557	18	16	614	53	17	8	6	3	3	5
Total Analysis Volume [veh/h]	74	2229	71	64	2455	211	68	30	24	13	12	20
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.36	0.36	0.04	0.42	0.42	0.04	0.03	0.03	0.01	0.02	0.02
Intersection LOS	B											
Intersection V/C	0.625											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.977

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	1	2	7	0	12	0	0	0	6	42	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	91	1783	459	426	2330	10	203	283	156	261	331	460
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	23	446	115	107	583	3	51	71	39	65	83	115
Total Analysis Volume [veh/h]	91	1783	459	426	2330	10	203	283	156	261	331	460
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.37	0.29	0.15	0.37	0.37	0.07	0.06	0.10	0.09	0.07	0.29
Intersection LOS	E											
Intersection V/C	0.977											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.646

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	7	0	0	42	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	41	0	73	378	794	418	0	640	115	318	913	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	18	95	199	105	0	160	29	80	228	0
Total Analysis Volume [veh/h]	41	0	73	378	794	418	0	640	115	318	913	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.02	0.24	0.25	0.25	0.00	0.16	0.16	0.11	0.19	0.00
Intersection LOS	B											
Intersection V/C	0.646											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.353

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	21	21	2	197	1	0	0	0	2	0	2
Total Analysis Volume [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.05	0.01	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.01
Intersection LOS	A											
Intersection V/C	0.353											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.731

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	1	5	6	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	302	43	83	843	183	68	119	43	46	169	23
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	11	21	211	46	17	30	11	12	42	6
Total Analysis Volume [veh/h]	45	302	43	83	843	183	68	119	43	46	169	23
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.12	0.05	0.35	0.35	0.04	0.07	0.03	0.03	0.12	0.12
Intersection LOS	C											
Intersection V/C	0.731											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.472

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	1	4	6	0	0	0	0	6	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	300	61	69	500	204	87	227	43	35	228	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	75	15	17	125	51	22	57	11	9	57	7
Total Analysis Volume [veh/h]	29	300	61	69	500	204	87	227	43	35	228	27
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.11	0.11	0.04	0.22	0.22	0.05	0.07	0.03	0.02	0.08	0.08
Intersection LOS	A											
Intersection V/C	0.472											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.480

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	4	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	156	145	35	44	198	372	108	38	58	22	25	34
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	39	36	9	11	50	93	27	10	15	6	6	9
Total Analysis Volume [veh/h]	156	145	35	44	198	372	108	38	58	22	25	34
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

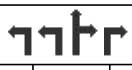
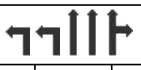
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.06	0.06	0.03	0.18	0.18	0.07	0.01	0.04	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.480											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.564

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	4	0	0	0	0	0	0	24	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	3	16	11	135	75	33	73	565	28	332	1486	347
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	4	3	34	19	8	18	141	7	83	372	87
Total Analysis Volume [veh/h]	3	16	11	135	75	33	73	565	28	332	1486	347
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.01	0.01	0.04	0.05	0.02	0.03	0.12	0.02	0.12	0.38	0.38
Intersection LOS	A											
Intersection V/C	0.564											

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	8	11	2	2428	2778	31
Future Vol, veh/h	8	11	2	2428	2778	31
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	12	2	1979	2265	34

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3078	1150	2299	0	-	0
Stage 1	2282	-	-	-	-	-
Stage 2	796	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*209	*261	*329	-	-	-
Stage 1	*268	-	-	-	-	-
Stage 2	*359	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*208	*261	*329	-	-	-
Mov Cap-2 Maneuver	*208	-	-	-	-	-
Stage 1	*267	-	-	-	-	-
Stage 2	*359	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	21.7	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 329	-	236	-	-
HCM Lane V/C Ratio	0.007	-	0.088	-	-
HCM Control Delay (s)	16	-	21.7	-	-
HCM Lane LOS	C	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0.3	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	6.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	298	2513	44	0	2824
Future Vol, veh/h	0	298	2513	44	0	2824
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	324	2049	48	0	2302

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1049	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*~ 320	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*~ 320	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	90.6	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	320	-
HCM Lane V/C Ratio	-	-	1.012	-
HCM Control Delay (s)	-	-	90.6	-
HCM Lane LOS	-	-	F	-
HCM 95th %tile Q(veh)	-	-	11.3	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	2.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	235	2372	55	0	2789
Future Vol, veh/h	0	235	2372	55	0	2789
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	255	1934	60	0	2274

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	997	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*350	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*350	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	38.6	0	0
HCM LOS	E		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	350	-
HCM Lane V/C Ratio	-	-	0.73	-
HCM Control Delay (s)	-	-	38.6	-
HCM Lane LOS	-	-	E	-
HCM 95th %tile Q(veh)	-	-	5.5	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH PM.vistro
Report File: K:\...\2 EX WP PM.pdf

Scenario 2 EX WP PM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	SB Thru	1.101	-	F
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	SB Thru	0.880	-	D
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.827	-	D
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	SB Right	0.731	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Thru	0.692	-	B
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Right	1.207	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	EB Thru	0.506	-	A
9	Nash Street at Atwood Way	Signalized	ICU 1	NB Thru	0.338	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	NB Thru	0.679	-	B
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.604	-	B
12	Nash Street at Grand Avenue	Signalized	ICU 1	EB Left	0.589	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	EB Thru	0.604	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.101

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	2	0	0	11	6	1	0	0	0	0	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	323	1419	264	215	2550	94	111	521	530	458	365	291
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	81	355	66	54	638	24	28	130	133	115	91	73
Total Analysis Volume [veh/h]	323	1419	264	215	2550	94	111	521	530	458	365	291
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.26	0.26	0.07	0.40	0.06	0.07	0.16	0.33	0.16	0.11	0.18
Intersection LOS	F											
Intersection V/C	1.101											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.880

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	7	0	0	17	6	1	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	150	1660	126	106	2299	138	238	143	159	339	167	308
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	415	32	27	575	35	60	36	40	85	42	77
Total Analysis Volume [veh/h]	150	1660	126	106	2299	138	238	143	159	339	167	308
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.26	0.08	0.07	0.38	0.38	0.07	0.11	0.11	0.12	0.05	0.19
Intersection LOS	D											
Intersection V/C	0.880											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.827

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	8	0	11	0	23	0	0	0	0	0	0	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	139	2011	147	11	225	2442	78	109	227	43	124	238	236
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	503	37	3	56	611	20	27	57	11	31	60	59
Total Analysis Volume [veh/h]	139	2011	147	11	225	2442	78	109	227	43	124	238	236
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.31	0.09	0.01	0.08	0.39	0.39	0.07	0.17	0.17	0.08	0.15	0.15
Intersection LOS	D												
Intersection V/C	0.827												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.731

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	23	0	56	35	0	11	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	23	117	2339	90	90	2634	38	73	57	42	125	95	141
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	29	585	23	23	659	10	18	14	11	31	24	35
Total Analysis Volume [veh/h]	23	117	2339	90	90	2634	38	73	57	42	125	95	141
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.07	0.38	0.38	0.06	0.42	0.42	0.05	0.06	0.06	0.08	0.06	0.09
Intersection LOS	C												
Intersection V/C	0.731												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.692

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	56	0	0	11	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	50	2466	26	37	2642	80	150	38	85	52	12	55
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	617	7	9	661	20	38	10	21	13	3	14
Total Analysis Volume [veh/h]	50	2466	26	37	2642	80	150	38	85	52	12	55
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.39	0.39	0.02	0.43	0.43	0.09	0.08	0.08	0.03	0.04	0.04
Intersection LOS	B											
Intersection V/C	0.692											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.207

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	6	11	39	0	2	0	0	0	1	8	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	179	1602	905	636	2356	16	154	396	212	152	283	428
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	45	401	226	159	589	4	39	99	53	38	71	107
Total Analysis Volume [veh/h]	179	1602	905	636	2356	16	154	396	212	152	283	428
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.11	0.33	0.57	0.22	0.37	0.37	0.05	0.08	0.13	0.05	0.06	0.27
Intersection LOS	F											
Intersection V/C	1.207											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.506

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	39	0	0	8	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	94	0	234	91	216	201	0	1060	74	29	624	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	0	59	23	54	50	0	265	19	7	156	0
Total Analysis Volume [veh/h]	94	0	234	91	216	201	0	1060	74	29	624	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.07	0.06	0.09	0.09	0.00	0.24	0.24	0.01	0.13	0.00
Intersection LOS	A											
Intersection V/C	0.506											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.338

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	32	132	12	70	0	0	0	0	2	0	1
Total Analysis Volume [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.20	0.20	0.03	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Intersection LOS	A											
Intersection V/C	0.338											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.679

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	6	29	1	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	677	103	68	334	48	113	268	72	29	79	17
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	169	26	17	84	12	28	67	18	7	20	4
Total Analysis Volume [veh/h]	29	677	103	68	334	48	113	268	72	29	79	17
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.25	0.25	0.04	0.14	0.14	0.07	0.17	0.05	0.02	0.06	0.06
Intersection LOS	B											
Intersection V/C	0.679											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.604

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	6	23	1	0	0	0	0	1	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	552	152	77	269	91	223	544	54	36	272	36
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	138	38	19	67	23	56	136	14	9	68	9
Total Analysis Volume [veh/h]	38	552	152	77	269	91	223	544	54	36	272	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.22	0.22	0.05	0.11	0.11	0.14	0.17	0.03	0.02	0.10	0.10
Intersection LOS	B											
Intersection V/C	0.604											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.589

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	23	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	24	176	30	51	228	153	495	110	340	41	35	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	44	8	13	57	38	124	28	85	10	9	10
Total Analysis Volume [veh/h]	24	176	30	51	228	153	495	110	340	41	35	38
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

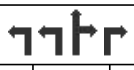
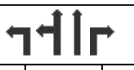
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.06	0.06	0.03	0.12	0.12	0.31	0.03	0.21	0.03	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.589											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.604

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	23	0	0	0	0	0	0	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	59	152	395	13	65	56	1460	6	31	807	151
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	15	38	99	3	16	14	365	2	8	202	38
Total Analysis Volume [veh/h]	17	59	152	395	13	65	56	1460	6	31	807	151
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.07	0.07	0.12	0.01	0.04	0.02	0.30	0.00	0.01	0.20	0.20
Intersection LOS	B											
Intersection V/C	0.604											

APPENDIX C-3

INTERSECTION ANALYSIS WORKSHEETS –
OPENING YEAR 2023 CUMULATIVE BASE

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	30	16	2767	3100	29
Future Vol, veh/h	2	30	16	2767	3100	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	33	17	2256	2527	32

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3479	1280	2559	0	-	0
Stage 1	2543	-	-	-	-	-
Stage 2	936	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*119	*173	*218	-	-	-
Stage 1	*178	-	-	-	-	-
Stage 2	*268	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*110	*173	*218	-	-	-
Mov Cap-2 Maneuver	*110	-	-	-	-	-
Stage 1	*164	-	-	-	-	-
Stage 2	*268	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	32.1	0.2	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 218	-	167	-	-
HCM Lane V/C Ratio	0.08	-	0.208	-	-
HCM Control Delay (s)	22.9	-	32.1	-	-
HCM Lane LOS	C	-	D	-	-
HCM 95th %tile Q(veh)	0.3	-	0.8	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	19	2769	50	0	3131
Future Vol, veh/h	0	19	2769	50	0	3131
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	21	2257	54	0	2552

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1156	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*261	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*261	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	20	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	261	-
HCM Lane V/C Ratio	-	-	0.079	-
HCM Control Delay (s)	-	-	20	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.3	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	8	2770	119	0	3121
Future Vol, veh/h	0	8	2770	119	0	3121
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	9	2258	129	0	2544

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1194	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*261	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*261	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	19.3	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	261	-
HCM Lane V/C Ratio	-	-	0.033	-
HCM Control Delay (s)	-	-	19.3	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.1	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH AM.vistro
Report File: K:\...\3 OY AM.pdf

Scenario 3 OY AM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	NB Thru	0.984	-	E
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	NB Thru	0.908	-	E
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.768	-	C
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	SB Thru	0.739	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Thru	0.735	-	C
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	SB Right	1.014	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	SB Thru	0.652	-	B
9	Nash Street at Atwood Way	Signalized	ICU 1	SB Thru	0.355	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	SB Thru	0.737	-	C
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	SB Right	0.470	-	A
12	Nash Street at Grand Avenue	Signalized	ICU 1	SB Right	0.538	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	WB Thru	0.587	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.984

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	21	253	14	167	340	13	11	28	3	8	25	96
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	455	2809	389	404	1478	116	104	369	287	185	385	283
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	114	702	97	101	370	29	26	92	72	46	96	71
Total Analysis Volume [veh/h]	455	2809	389	404	1478	116	104	369	287	185	385	283
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.16	0.50	0.50	0.14	0.23	0.07	0.07	0.12	0.18	0.06	0.12	0.18
Intersection LOS	E											
Intersection V/C	0.984											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.908

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	188	60	90	577	21	3	0	0	16	0	25
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	138	2376	499	493	1881	201	126	167	77	49	53	83
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	594	125	123	470	50	32	42	19	12	13	21
Total Analysis Volume [veh/h]	138	2376	499	493	1881	201	126	167	77	49	53	83
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.37	0.31	0.31	0.33	0.33	0.04	0.08	0.08	0.02	0.02	0.05
Intersection LOS	E											
Intersection V/C	0.908											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.768

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	180	0	0	0	668	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	79	2531	106	0	237	2693	73	95	190	55	54	102	91
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	633	27	0	59	673	18	24	48	14	14	26	23
Total Analysis Volume [veh/h]	79	2531	106	0	237	2693	73	95	190	55	54	102	91
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.40	0.07	0.00	0.08	0.43	0.43	0.06	0.15	0.15	0.03	0.06	0.06
Intersection LOS	C												
Intersection V/C	0.768												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.739

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	181	0	0	721	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	72	2429	172	115	2997	58	88	104	44	38	52	43
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	18	607	43	29	749	15	22	26	11	10	13	11
Total Analysis Volume [veh/h]	0	72	2429	172	115	2997	58	88	104	44	38	52	43
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.41	0.41	0.07	0.48	0.48	0.06	0.09	0.09	0.02	0.03	0.03
Intersection LOS	C												
Intersection V/C	0.739												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.735

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	178	0	0	727	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	75	2417	72	65	3144	213	69	30	24	13	12	20
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	604	18	16	786	53	17	8	6	3	3	5
Total Analysis Volume [veh/h]	75	2417	72	65	3144	213	69	30	24	13	12	20
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.39	0.39	0.04	0.52	0.52	0.04	0.03	0.03	0.01	0.02	0.02
Intersection LOS	C											
Intersection V/C	0.735											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.014

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	26	138	16	0	715	0	0	1	51	18	1	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	117	1935	472	430	3054	10	205	287	202	239	335	464
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	29	484	118	108	764	3	51	72	51	60	84	116
Total Analysis Volume [veh/h]	117	1935	472	430	3054	10	205	287	202	239	335	464
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.40	0.30	0.15	0.48	0.48	0.07	0.06	0.13	0.08	0.07	0.29
Intersection LOS	F											
Intersection V/C	1.014											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.652

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000
In-Process Volume [veh/h]	0	0	0	1	0	0	0	15	0	0	20	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	41	0	74	382	801	422	0	654	116	321	899	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	19	96	200	106	0	164	29	80	225	0
Total Analysis Volume [veh/h]	41	0	74	382	801	422	0	654	116	321	899	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.02	0.24	0.25	0.25	0.00	0.16	0.16	0.11	0.19	0.00
Intersection LOS	B											
Intersection V/C	0.652											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.355

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	85	84	8	795	2	0	0	0	6	0	9
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	21	21	2	199	1	0	0	0	2	0	2
Total Analysis Volume [veh/h]	0	85	84	8	795	2	0	0	0	6	0	9
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.05	0.01	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.01
Intersection LOS	A											
Intersection V/C	0.355											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.737

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	305	43	84	851	185	69	119	38	40	171	23
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	11	21	213	46	17	30	10	10	43	6
Total Analysis Volume [veh/h]	45	305	43	84	851	185	69	119	38	40	171	23
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.12	0.05	0.35	0.35	0.04	0.07	0.02	0.03	0.12	0.12
Intersection LOS	C											
Intersection V/C	0.737											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.470

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	303	62	69	500	200	88	229	43	35	224	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	76	16	17	125	50	22	57	11	9	56	7
Total Analysis Volume [veh/h]	29	303	62	69	500	200	88	229	43	35	224	27
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.11	0.11	0.04	0.22	0.22	0.06	0.07	0.03	0.02	0.08	0.08
Intersection LOS	A											
Intersection V/C	0.470											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.538

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	157	146	35	44	196	375	109	38	59	22	25	34
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	39	37	9	11	49	94	27	10	15	6	6	9
Total Analysis Volume [veh/h]	157	146	35	44	196	375	109	38	59	22	25	34
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

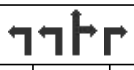
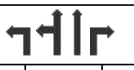
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.06	0.06	0.03	0.18	0.18	0.07	0.01	0.04	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.538											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.587

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	14	0	43	0	0	0	0	60	26	77	57	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	16	54	132	76	33	74	630	54	412	1532	350
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	4	14	33	19	8	19	158	14	103	383	88
Total Analysis Volume [veh/h]	17	16	54	132	76	33	74	630	54	412	1532	350
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.02	0.02	0.04	0.05	0.02	0.03	0.13	0.03	0.14	0.39	0.39
Intersection LOS	A											
Intersection V/C	0.587											

Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	8	25	16	3035	3070	31
Future Vol, veh/h	8	25	16	3035	3070	31
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	27	17	2474	2503	34

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3544	1269	2537	0	-	0
Stage 1	2520	-	-	-	-	-
Stage 2	1024	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*119	*173	*218	-	-	-
Stage 1	*178	-	-	-	-	-
Stage 2	*208	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*110	*173	*218	-	-	-
Mov Cap-2 Maneuver	*110	-	-	-	-	-
Stage 1	*164	-	-	-	-	-
Stage 2	*208	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	35.9	0.2	0
HCM LOS	E		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 218	-	152	-	-
HCM Lane V/C Ratio	0.08	-	0.236	-	-
HCM Control Delay (s)	22.9	-	35.9	-	-
HCM Lane LOS	C	-	E	-	-
HCM 95th %tile Q(veh)	0.3	-	0.9	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	1.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	115	3132	9	0	3116
Future Vol, veh/h	0	115	3132	9	0	3116
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	125	2553	10	0	2540

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1282	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*173	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*173	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	66.6	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	173	-
HCM Lane V/C Ratio	-	-	0.723	-
HCM Control Delay (s)	-	-	66.6	-
HCM Lane LOS	-	-	F	-
HCM 95th %tile Q(veh)	-	-	4.5	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	49	3037	22	0	3081
Future Vol, veh/h	0	49	3037	22	0	3081
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	53	2476	24	0	2512

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1250	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*203	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*203	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	28.9	0	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	203	-
HCM Lane V/C Ratio	-	-	0.262	-
HCM Control Delay (s)	-	-	28.9	-
HCM Lane LOS	-	-	D	-
HCM 95th %tile Q(veh)	-	-	1	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH PM.vistro
Report File: K:\...\3 OY PM.pdf

Scenario 3 OY PM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	SB Thru	1.200	-	F
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	SB Right	1.002	-	F
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.879	-	D
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	NB Thru	0.780	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	NB Thru	0.746	-	C
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Right	1.204	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	EB Thru	0.505	-	A
9	Nash Street at Atwood Way	Signalized	ICU 1	NB Thru	0.340	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	NB Thru	0.679	-	B
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.604	-	B
12	Nash Street at Grand Avenue	Signalized	ICU 1	EB Left	0.585	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	EB Thru	0.668	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.200

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	27	340	35	151	240	12	17	33	48	43	30	186
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	353	1770	301	368	2802	101	128	559	583	505	398	476
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	88	443	75	92	701	25	32	140	146	126	100	119
Total Analysis Volume [veh/h]	353	1770	301	368	2802	101	128	559	583	505	398	476
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.12	0.32	0.32	0.13	0.44	0.06	0.08	0.17	0.36	0.18	0.12	0.30
Intersection LOS	F											
Intersection V/C	1.200											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.002

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	569	13	19	305	4	20	0	0	71	0	107
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	151	2237	140	126	2608	137	259	144	160	413	169	418
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	559	35	32	652	34	65	36	40	103	42	105
Total Analysis Volume [veh/h]	151	2237	140	126	2608	137	259	144	160	413	169	418
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.35	0.09	0.08	0.43	0.43	0.08	0.12	0.12	0.14	0.05	0.26
Intersection LOS	F											
Intersection V/C	1.002											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.879

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	601	0	0	0	315	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	140	2622	148	0	227	2756	79	110	229	43	125	240	236
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	656	37	0	57	689	20	28	57	11	31	60	59
Total Analysis Volume [veh/h]	140	2622	148	0	227	2756	79	110	229	43	125	240	236
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.41	0.09	0.00	0.08	0.44	0.44	0.07	0.17	0.17	0.08	0.15	0.15
Intersection LOS	D												
Intersection V/C	0.879												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.780

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	654	0	0	294	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	118	2958	55	91	2941	38	74	58	42	126	96	142
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	30	740	14	23	735	10	19	15	11	32	24	36
Total Analysis Volume [veh/h]	0	118	2958	55	91	2941	38	74	58	42	126	96	142
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.07	0.47	0.47	0.06	0.47	0.47	0.05	0.06	0.06	0.08	0.06	0.09
Intersection LOS	C												
Intersection V/C	0.780												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.746

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	659	0	0	319	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	50	3091	26	37	2974	81	151	38	86	52	12	55
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	773	7	9	744	20	38	10	22	13	3	14
Total Analysis Volume [veh/h]	50	3091	26	37	2974	81	151	38	86	52	12	55
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.49	0.49	0.02	0.48	0.48	0.09	0.08	0.08	0.03	0.04	0.04
Intersection LOS	C											
Intersection V/C	0.746											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.204

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	58	646	18	0	266	0	0	0	31	22	1	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	233	2251	892	642	2641	16	155	400	244	167	287	432
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	58	563	223	161	660	4	39	100	61	42	72	108
Total Analysis Volume [veh/h]	233	2251	892	642	2641	16	155	400	244	167	287	432
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.47	0.56	0.22	0.42	0.42	0.05	0.08	0.15	0.06	0.06	0.27
Intersection LOS	F											
Intersection V/C	1.204											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.505

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	15	0	0	24	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	95	0	236	92	218	203	0	1045	75	29	646	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	0	59	23	55	51	0	261	19	7	162	0
Total Analysis Volume [veh/h]	95	0	236	92	218	203	0	1045	75	29	646	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.07	0.06	0.09	0.09	0.00	0.23	0.23	0.01	0.13	0.00
Intersection LOS	A											
Intersection V/C	0.505											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.340

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	127	531	47	282	0	0	0	0	8	0	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	32	133	12	71	0	0	0	0	2	0	1
Total Analysis Volume [veh/h]	0	127	531	47	282	0	0	0	0	8	0	2
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.21	0.21	0.03	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Intersection LOS	A											
Intersection V/C	0.340											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.679

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	683	104	69	337	48	114	264	43	28	80	17
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	171	26	17	84	12	29	66	11	7	20	4
Total Analysis Volume [veh/h]	29	683	104	69	337	48	114	264	43	28	80	17
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.26	0.26	0.04	0.14	0.14	0.07	0.17	0.03	0.02	0.06	0.06
Intersection LOS	B											
Intersection V/C	0.679											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.604

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	557	153	72	248	91	225	549	54	36	273	36
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	139	38	18	62	23	56	137	14	9	68	9
Total Analysis Volume [veh/h]	38	557	153	72	248	91	225	549	54	36	273	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.22	0.22	0.05	0.11	0.11	0.14	0.17	0.03	0.02	0.10	0.10
Intersection LOS	B											
Intersection V/C	0.604											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.585

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	24	178	30	51	207	154	499	111	343	41	35	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	45	8	13	52	39	125	28	86	10	9	10
Total Analysis Volume [veh/h]	24	178	30	51	207	154	499	111	343	41	35	38
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

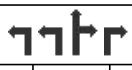
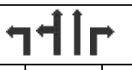
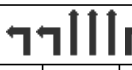
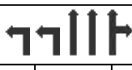
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.07	0.07	0.03	0.11	0.11	0.31	0.03	0.21	0.03	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.585											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.668

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	28	0	84	0	0	0	0	79	23	70	107	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	60	237	375	13	66	57	1552	29	101	917	152
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	15	59	94	3	17	14	388	7	25	229	38
Total Analysis Volume [veh/h]	45	60	237	375	13	66	57	1552	29	101	917	152
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.09	0.09	0.12	0.01	0.04	0.02	0.32	0.02	0.04	0.22	0.22
Intersection LOS	B											
Intersection V/C	0.668											

APPENDIX C-4

INTERSECTION ANALYSIS WORKSHEETS – OPENING YEAR 2023 CUMULATIVE PLUS PROJECT

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	2	30	16	2837	3164	29
Future Vol, veh/h	2	30	16	2837	3164	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	33	17	2313	2579	32

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3554	1306	2611	0	-	0
Stage 1	2595	-	-	-	-	-
Stage 2	959	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*119	*173	*218	-	-	-
Stage 1	*178	-	-	-	-	-
Stage 2	*238	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*110	*173	*218	-	-	-
Mov Cap-2 Maneuver	*110	-	-	-	-	-
Stage 1	*164	-	-	-	-	-
Stage 2	*238	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	32.1	0.2	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 218	-	167	-	-
HCM Lane V/C Ratio	0.08	-	0.208	-	-
HCM Control Delay (s)	22.9	-	32.1	-	-
HCM Lane LOS	C	-	D	-	-
HCM 95th %tile Q(veh)	0.3	-	0.8	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	50	2779	237	0	3195
Future Vol, veh/h	0	50	2779	237	0	3195
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	54	2265	258	0	2605

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1262	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*261	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*261	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	22.4	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	261	-
HCM Lane V/C Ratio	-	-	0.208	-
HCM Control Delay (s)	-	-	22.4	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.8	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	39	2830	307	0	3185
Future Vol, veh/h	0	39	2830	307	0	3185
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	42	2307	334	0	2596

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1321	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*232	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*232	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	24	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	232	-
HCM Lane V/C Ratio	-	-	0.183	-
HCM Control Delay (s)	-	-	24	-
HCM Lane LOS	-	-	C	-
HCM 95th %tile Q(veh)	-	-	0.7	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH AM.vistro
Report File: K:\...\4 OY WP AM.pdf

Scenario 4 OY WP AM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	NB Thru	1.002	-	F
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	NB Thru	0.916	-	E
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Thru	0.772	-	C
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	SB Right	0.748	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	SB Thru	0.744	-	C
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	SB Thru	1.016	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	SB Thru	0.654	-	B
9	Nash Street at Atwood Way	Signalized	ICU 1	SB Thru	0.355	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	SB Thru	0.737	-	C
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	SB Right	0.475	-	A
12	Nash Street at Grand Avenue	Signalized	ICU 1	SB Thru	0.483	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	WB Thru	0.592	-	A

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.002

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	430	2533	372	235	1128	102	92	338	281	175	357	185
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	21	253	14	167	340	13	11	28	3	8	25	96
Site-Generated Trips [veh/h]	0	12	0	0	2	1	6	0	0	0	0	24
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	455	2821	389	404	1480	117	110	369	287	185	385	307
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	114	705	97	101	370	29	28	92	72	46	96	77
Total Analysis Volume [veh/h]	455	2821	389	404	1480	117	110	369	287	185	385	307
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.16	0.50	0.50	0.14	0.23	0.07	0.07	0.12	0.18	0.06	0.12	0.19
Intersection LOS	F											
Intersection V/C	1.002											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	E
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.916

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	137	2168	435	399	1292	178	122	166	76	33	53	57
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	188	60	90	577	21	3	0	0	16	0	25
Site-Generated Trips [veh/h]	0	42	0	0	3	1	6	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	138	2418	499	493	1884	202	132	167	77	49	53	83
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	605	125	123	471	51	33	42	19	12	13	21
Total Analysis Volume [veh/h]	138	2418	499	493	1884	202	132	167	77	49	53	83
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.38	0.31	0.31	0.33	0.33	0.04	0.08	0.08	0.02	0.02	0.05
Intersection LOS	E											
Intersection V/C	0.916											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.772

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	78	2330	105	0	235	2007	72	94	188	55	54	101	90
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	180	0	0	0	668	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	48	0	60	0	4	0	0	0	0	0	0	12
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	79	2579	106	60	237	2697	73	95	190	55	54	102	103
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	20	645	27	15	59	674	18	24	48	14	14	26	26
Total Analysis Volume [veh/h]	79	2579	106	60	237	2697	73	95	190	55	54	102	103
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.40	0.07	0.04	0.08	0.43	0.43	0.06	0.15	0.15	0.03	0.06	0.06
Intersection LOS	C												
Intersection V/C	0.772												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.748

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	71	2228	170	114	2256	57	87	103	44	38	52	43
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	181	0	0	721	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	4	0	10	6	0	60	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	4	72	2439	178	115	3057	58	88	104	44	38	52	43
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	1	18	610	45	29	764	15	22	26	11	10	13	11
Total Analysis Volume [veh/h]	4	72	2439	178	115	3057	58	88	104	44	38	52	43
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.41	0.41	0.07	0.49	0.49	0.06	0.09	0.09	0.02	0.03	0.03
Intersection LOS	C												
Intersection V/C	0.748												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.744

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	74	2219	71	64	2395	211	68	30	24	13	12	20
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	178	0	0	727	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	10	0	0	60	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	75	2427	72	65	3204	213	69	30	24	13	12	20
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	19	607	18	16	801	53	17	8	6	3	3	5
Total Analysis Volume [veh/h]	75	2427	72	65	3204	213	69	30	24	13	12	20
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.05	0.39	0.39	0.04	0.53	0.53	0.04	0.03	0.03	0.01	0.02	0.02
Intersection LOS	C											
Intersection V/C	0.744											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.016

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	90	1781	452	426	2318	10	203	283	150	219	331	460
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	26	138	16	0	715	0	0	1	51	18	1	0
Site-Generated Trips [veh/h]	1	2	7	0	12	0	0	0	6	42	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	118	1937	479	430	3066	10	205	287	208	281	335	464
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	30	484	120	108	767	3	51	72	52	70	84	116
Total Analysis Volume [veh/h]	118	1937	479	430	3066	10	205	287	208	281	335	464
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.07	0.40	0.30	0.15	0.48	0.48	0.07	0.06	0.13	0.10	0.07	0.29
Intersection LOS	F											
Intersection V/C	1.016											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.654

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	41	0	73	378	794	418	0	633	115	318	871	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000
In-Process Volume [veh/h]	0	0	0	1	0	0	0	15	0	0	20	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	7	0	0	42	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	41	0	74	382	801	422	0	661	116	321	941	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	0	19	96	200	106	0	165	29	80	235	0
Total Analysis Volume [veh/h]	41	0	74	382	801	422	0	661	116	321	941	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.00	0.02	0.24	0.25	0.25	0.00	0.16	0.16	0.11	0.20	0.00
Intersection LOS	B											
Intersection V/C	0.654											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.355

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	84	83	8	788	2	0	0	0	6	0	9
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	85	84	8	795	2	0	0	0	6	0	9
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	21	21	2	199	1	0	0	0	2	0	2
Total Analysis Volume [veh/h]	0	85	84	8	795	2	0	0	0	6	0	9
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.05	0.05	0.01	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.01
Intersection LOS	A											
Intersection V/C	0.355											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.737

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	45	302	43	83	843	183	68	118	38	40	169	23
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	1	5	6	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	305	43	84	851	185	69	120	43	46	171	23
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	76	11	21	213	46	17	30	11	12	43	6
Total Analysis Volume [veh/h]	45	305	43	84	851	185	69	120	43	46	171	23
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.12	0.12	0.05	0.35	0.35	0.04	0.08	0.03	0.03	0.12	0.12
Intersection LOS	C											
Intersection V/C	0.737											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.475

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	29	300	61	68	496	198	87	227	43	35	222	27
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	1	4	6	0	0	0	0	6	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	303	62	70	504	206	88	229	43	35	230	27
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	76	16	18	126	52	22	57	11	9	58	7
Total Analysis Volume [veh/h]	29	303	62	70	504	206	88	229	43	35	230	27
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.11	0.11	0.04	0.22	0.22	0.06	0.07	0.03	0.02	0.08	0.08
Intersection LOS	A											
Intersection V/C	0.475											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.483

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	156	145	35	44	194	372	108	38	58	22	25	34
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	4	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	157	146	35	44	200	375	109	38	59	22	25	34
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	39	37	9	11	50	94	27	10	15	6	6	9
Total Analysis Volume [veh/h]	157	146	35	44	200	375	109	38	59	22	25	34
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

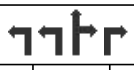
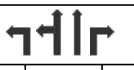
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.10	0.06	0.06	0.03	0.18	0.18	0.07	0.01	0.04	0.01	0.04	0.04
Intersection LOS	A											
Intersection V/C	0.483											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.592

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	3	16	11	131	75	33	73	565	28	332	1462	347
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	14	0	43	0	0	0	0	60	26	77	57	0
Site-Generated Trips [veh/h]	0	0	0	4	0	0	0	0	0	0	24	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	17	16	54	136	76	33	74	630	54	412	1556	350
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	4	4	14	34	19	8	19	158	14	103	389	88
Total Analysis Volume [veh/h]	17	16	54	136	76	33	74	630	54	412	1556	350
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.02	0.02	0.04	0.05	0.02	0.03	0.13	0.03	0.14	0.40	0.40
Intersection LOS	A											
Intersection V/C	0.592											

Intersection	
Int Delay, s/veh	0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	8	25	16	3104	3104	31
Future Vol, veh/h	8	25	16	3104	3104	31
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	100	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	27	17	2530	2530	34

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	3593	1282	2564	0	-	0
Stage 1	2547	-	-	-	-	-
Stage 2	1046	-	-	-	-	-
Critical Hdwy	5.74	7.14	5.34	-	-	-
Critical Hdwy Stg 1	6.64	-	-	-	-	-
Critical Hdwy Stg 2	6.04	-	-	-	-	-
Follow-up Hdwy	3.82	3.92	3.12	-	-	-
Pot Cap-1 Maneuver	*119	*173	*218	-	-	-
Stage 1	*178	-	-	-	-	-
Stage 2	*178	-	-	-	-	-
Platoon blocked, %	1	1	1	-	-	-
Mov Cap-1 Maneuver	*110	*173	*218	-	-	-
Mov Cap-2 Maneuver	*110	-	-	-	-	-
Stage 1	*164	-	-	-	-	-
Stage 2	*178	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	35.9	0.2	0
HCM LOS	E		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	* 218	-	152	-	-
HCM Lane V/C Ratio	0.08	-	0.236	-	-
HCM Control Delay (s)	22.9	-	35.9	-	-
HCM Lane LOS	C	-	E	-	-
HCM 95th %tile Q(veh)	0.3	-	0.9	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	37.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	299	3190	44	0	3150
Future Vol, veh/h	0	299	3190	44	0	3150
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	325	2601	48	0	2568

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1325	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*~ 144	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*~ 144	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	$ 637.4	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	144	-
HCM Lane V/C Ratio	-	-	2.257	-
HCM Control Delay (s)	-	-	$ 637.4	-
HCM Lane LOS	-	-	F	-
HCM 95th %tile Q(veh)	-	-	27.1	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection	
Int Delay, s/veh	9.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	235	3048	55	0	3115
Future Vol, veh/h	0	235	3048	55	0	3115
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	255	2485	60	0	2539

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1273	0	0	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-	-
Pot Cap-1 Maneuver	0	*~ 203	-	-	0	-
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		1	-	-		-
Mov Cap-1 Maneuver	-	*~ 203	-	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	196.7	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBT
Capacity (veh/h)	-	-	203	-
HCM Lane V/C Ratio	-	-	1.258	-
HCM Control Delay (s)	-	-	196.7	-
HCM Lane LOS	-	-	F	-
HCM 95th %tile Q(veh)	-	-	13.6	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

650 Pacific Coast Highway

Vistro File: K:\..._650 PCH PM.vistro
Report File: K:\...\4 OY WP PM.pdf

Scenario 4 OY WP PM
1/7/2021

Intersection Analysis Summary

ID	Intersection Name	Control Type	Method	Worst Mvmt	V/C	Delay (s/veh)	LOS
1	N Pacific Coast Highway at El Segundo Boulevard	Signalized	ICU 1	SB Thru	1.202	-	F
2	N Pacific Coast Highway at Grand Avenue	Signalized	ICU 1	SB Thru	1.006	-	F
3	N Pacific Coast Highway at Mariposa Avenue	Signalized	ICU 1	SB Right	0.882	-	D
5	N Pacific Coast Highway at Maple Avenue	Signalized	ICU 1	NB Right	0.782	-	C
6	N Pacific Coast Highway at Walnut Avenue	Signalized	ICU 1	NB Right	0.755	-	C
7	N Pacific Coast Highway at Imperial Highway	Signalized	ICU 1	NB Right	1.229	-	F
8	Nash Street at Imperial Highway	Signalized	ICU 1	EB Right	0.513	-	A
9	Nash Street at Atwood Way	Signalized	ICU 1	NB Thru	0.340	-	A
10	Nash Street at Maple Avenue	Signalized	ICU 1	NB Thru	0.684	-	B
11	Nash Street at Mariposa Avenue	Signalized	ICU 1	NB Thru	0.608	-	B
12	Nash Street at Grand Avenue	Signalized	ICU 1	EB Left	0.593	-	A
13	Nash Street at El Segundo Boulevard	Signalized	ICU 1	EB Thru	0.676	-	B

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.

Intersection Level Of Service Report
Intersection 1: N Pacific Coast Highway at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.202

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	1	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	323	1417	264	215	2539	88	110	521	530	458	365	287
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	27	340	35	151	240	12	17	33	48	43	30	186
Site-Generated Trips [veh/h]	0	2	0	0	11	6	1	0	0	0	0	4
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	353	1772	301	368	2813	107	129	559	583	505	398	480
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	88	443	75	92	703	27	32	140	146	126	100	120
Total Analysis Volume [veh/h]	353	1772	301	368	2813	107	129	559	583	505	398	480
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.12	0.32	0.32	0.13	0.44	0.07	0.08	0.17	0.36	0.18	0.12	0.30
Intersection LOS	F											
Intersection V/C	1.202											

Intersection Level Of Service Report
Intersection 2: N Pacific Coast Highway at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.006

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	No			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	150	1653	126	106	2282	132	237	143	159	339	167	308
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	569	13	19	305	4	20	0	0	71	0	107
Site-Generated Trips [veh/h]	0	7	0	0	17	6	1	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	151	2244	140	126	2625	143	260	144	160	413	169	418
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	38	561	35	32	656	36	65	36	40	103	42	105
Total Analysis Volume [veh/h]	151	2244	140	126	2625	143	260	144	160	413	169	418
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	6	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups			6									
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.35	0.09	0.08	0.43	0.43	0.08	0.12	0.12	0.14	0.05	0.26
Intersection LOS	F											
Intersection V/C	1.006											

Intersection Level Of Service Report
Intersection 3: N Pacific Coast Highway at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	D
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.882

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound				Eastbound			Westbound		
Lane Configuration													
Turning Movement	Left	Thru	Right	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00				30.00			30.00		
Grade [%]	0.00			0.00				0.00			0.00		
Crosswalk	Yes			Yes				Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway				Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	139	2003	147	0	225	2419	78	109	227	43	124	238	234
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	601	0	0	0	315	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	8	0	11	0	23	0	0	0	0	0	0	2
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	140	2630	148	11	227	2779	79	110	229	43	125	240	238
Peak Hour Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	35	658	37	3	57	695	20	28	57	11	31	60	60
Total Analysis Volume [veh/h]	140	2630	148	11	227	2779	79	110	229	43	125	240	238
Pedestrian Volume [ped/h]	0			0				0			0		
Bicycle Volume [bicycles/h]	0			0				0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	1	6	0	0	5	2	0	3	8	0	7	4	0
Auxiliary Signal Groups													
Lead / Lag	Lead	-	-	-	Lead	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.09	0.41	0.09	0.01	0.08	0.45	0.45	0.07	0.17	0.17	0.08	0.15	0.15
Intersection LOS	D												
Intersection V/C	0.882												

Intersection Level Of Service Report
Intersection 5: N Pacific Coast Highway at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.782

Intersection Setup

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Approach	Northbound				Southbound			Eastbound			Westbound		
Lane Configuration													
Turning Movement	U-tu	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.0	12.0	12.0	12.0	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	0	1	0	0	1	0	0	1	0	1
Pocket Length [ft]	100.	100.	100.	100.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00				30.00			30.00			30.00		
Grade [%]	0.00				0.00			0.00			0.00		
Crosswalk	Yes				Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway				Pacific Coast Highway			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	0	117	2283	55	90	2623	38	73	57	42	125	95	141
Base Volume Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.00	1.00	1.00	1.00	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	654	0	0	294	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	23	0	56	35	0	11	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	23	118	3014	90	91	2952	38	74	58	42	126	96	142
Peak Hour Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.00	1.00	1.00	1.00	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	30	754	23	23	738	10	19	15	11	32	24	36
Total Analysis Volume [veh/h]	23	118	3014	90	91	2952	38	74	58	42	126	96	142
Pedestrian Volume [ped/h]	0				0			0			0		
Bicycle Volume [bicycles/h]	0				0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Perm	Prote	Perm	Perm	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups													
Lead / Lag	-	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.01	0.07	0.49	0.49	0.06	0.47	0.47	0.05	0.06	0.06	0.08	0.06	0.09
Intersection LOS	C												
Intersection V/C	0.782												

Intersection Level Of Service Report
Intersection 6: N Pacific Coast Highway at Walnut Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	C
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.755

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Walnut Avenue			Walnut Avenue		
Base Volume Input [veh/h]	50	2410	26	37	2631	80	150	38	85	52	12	55
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	659	0	0	319	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	56	0	0	11	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	50	3147	26	37	2985	81	151	38	86	52	12	55
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	13	787	7	9	746	20	38	10	22	13	3	14
Total Analysis Volume [veh/h]	50	3147	26	37	2985	81	151	38	86	52	12	55
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.03	0.50	0.50	0.02	0.48	0.48	0.09	0.08	0.08	0.03	0.04	0.04
Intersection LOS	C											
Intersection V/C	0.755											

Intersection Level Of Service Report
Intersection 7: N Pacific Coast Highway at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	F
Analysis Period:	15 minutes	Volume to Capacity (v/c):	1.229

Intersection Setup

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	0	1	0	1	1	0	1
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			No			Yes			Yes		

Volumes

Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	58	646	18	0	266	0	0	0	31	22	1	0
Site-Generated Trips [veh/h]	6	11	39	0	2	0	0	0	1	8	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	239	2262	931	642	2643	16	155	400	245	175	287	432
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	60	566	233	161	661	4	39	100	61	44	72	108
Total Analysis Volume [veh/h]	239	2262	931	642	2643	16	155	400	245	175	287	432
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-

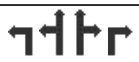
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.47	0.58	0.22	0.42	0.42	0.05	0.08	0.15	0.06	0.06	0.27
Intersection LOS	F											
Intersection V/C	1.229											

Intersection Level Of Service Report
Intersection 8: Nash Street at Imperial Highway

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.513

Intersection Setup

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Imperial Highway			Imperial Highway		
Base Volume Input [veh/h]	94	0	234	91	216	201	0	1021	74	29	616	0
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000	1.0090	1.0090	1.0090	1.0090	1.0000
In-Process Volume [veh/h]	0	0	0	0	0	0	0	15	0	0	24	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	39	0	0	8	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	95	0	236	92	218	203	0	1084	75	29	654	0
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	24	0	59	23	55	51	0	271	19	7	164	0
Total Analysis Volume [veh/h]	95	0	236	92	218	203	0	1084	75	29	654	0
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Permis	Split	Split	Split	Split	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	1	0	0	0	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	-	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.06	0.00	0.07	0.06	0.09	0.09	0.00	0.24	0.24	0.01	0.14	0.00
Intersection LOS	A											
Intersection V/C	0.513											

Intersection Level Of Service Report
Intersection 9: Nash Street at Atwood Way

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.340

Intersection Setup

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	0	0	0	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Atwood Way			Atwood Way		
Base Volume Input [veh/h]	0	126	526	47	279	0	0	0	0	8	0	2
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	0	127	531	47	282	0	0	0	0	8	0	2
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	0	32	133	12	71	0	0	0	0	2	0	1
Total Analysis Volume [veh/h]	0	127	531	47	282	0	0	0	0	8	0	2
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Protect	Permis	Permis	Permis	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	5	2	0	0	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	Lead	-	-	-	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.00	0.21	0.21	0.03	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Intersection LOS	A											
Intersection V/C	0.340											

Intersection Level Of Service Report
Intersection 10: Nash Street at Maple Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.684

Intersection Setup

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	0	0	0	0	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Maple Avenue			Maple Avenue		
Base Volume Input [veh/h]	29	677	103	68	334	48	113	262	43	28	79	17
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	0	0	0	6	29	1	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	29	683	104	69	337	48	114	270	72	29	80	17
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	7	171	26	17	84	12	29	68	18	7	20	4
Total Analysis Volume [veh/h]	29	683	104	69	337	48	114	270	72	29	80	17
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.26	0.26	0.04	0.14	0.14	0.07	0.17	0.05	0.02	0.06	0.06
Intersection LOS	B											
Intersection V/C	0.684											

Intersection Level Of Service Report
Intersection 11: Nash Street at Mariposa Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.608

Intersection Setup

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Mariposa Avenue			Mariposa Avenue		
Base Volume Input [veh/h]	38	552	152	71	246	90	223	544	54	36	271	36
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	6	23	1	0	0	0	0	1	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	38	557	153	78	271	92	225	549	54	36	274	36
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	10	139	38	20	68	23	56	137	14	9	69	9
Total Analysis Volume [veh/h]	38	557	153	78	271	92	225	549	54	36	274	36
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis	Permis
Signal Group	0	6	0	0	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	-	-	-	-	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.22	0.22	0.05	0.11	0.11	0.14	0.17	0.03	0.02	0.10	0.10
Intersection LOS	B											
Intersection V/C	0.608											

Intersection Level Of Service Report
Intersection 12: Nash Street at Grand Avenue

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	A
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.593

Intersection Setup

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	0	1	0	0	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			Grand Avenue			Grand Avenue		
Base Volume Input [veh/h]	24	176	30	51	205	153	495	110	340	41	35	38
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Site-Generated Trips [veh/h]	0	0	0	0	23	0	0	0	0	0	0	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	24	178	30	51	230	154	499	111	343	41	35	38
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	6	45	8	13	58	39	125	28	86	10	9	10
Total Analysis Volume [veh/h]	24	178	30	51	230	154	499	111	343	41	35	38
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Protect	Permis	Permis	Protect	Permis	Permis	Split	Split	Split	Split	Split	Split
Signal Group	1	6	0	5	2	0	0	8	0	0	4	0
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	-	-	-	-	-	-

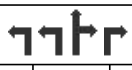
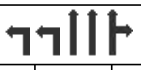
Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.07	0.07	0.03	0.12	0.12	0.31	0.03	0.21	0.03	0.05	0.05
Intersection LOS	A											
Intersection V/C	0.593											

Intersection Level Of Service Report
Intersection 13: Nash Street at El Segundo Boulevard

Control Type:	Signalized	Delay (sec / veh):	-
Analysis Method:	ICU 1	Level Of Service:	B
Analysis Period:	15 minutes	Volume to Capacity (v/c):	0.676

Intersection Setup

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Lane Width [ft]	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
No. of Lanes in Pocket	1	0	1	1	0	1	1	0	1	1	0	0
Pocket Length [ft]	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Speed [mph]	30.00			30.00			30.00			30.00		
Grade [%]	0.00			0.00			0.00			0.00		
Crosswalk	Yes			Yes			Yes			Yes		

Volumes

Name	Nash Street			Nash Street			El Segundo Boulevard			El Segundo Boulevard		
Base Volume Input [veh/h]	17	59	152	372	13	65	56	1460	6	31	803	151
Base Volume Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Heavy Vehicles Percentage [%]	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Growth Factor	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090	1.0090
In-Process Volume [veh/h]	28	0	84	0	0	0	0	79	23	70	107	0
Site-Generated Trips [veh/h]	0	0	0	23	0	0	0	0	0	0	4	0
Diverted Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Pass-by Trips [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Existing Site Adjustment Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Other Volume [veh/h]	0	0	0	0	0	0	0	0	0	0	0	0
Total Hourly Volume [veh/h]	45	60	237	398	13	66	57	1552	29	101	921	152
Peak Hour Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Other Adjustment Factor	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total 15-Minute Volume [veh/h]	11	15	59	100	3	17	14	388	7	25	230	38
Total Analysis Volume [veh/h]	45	60	237	398	13	66	57	1552	29	101	921	152
Pedestrian Volume [ped/h]	0			0			0			0		
Bicycle Volume [bicycles/h]	0			0			0			0		

Intersection Settings

Cycle Length [s]	100
Lost time [s]	10.00

Phasing & Timing

Control Type	Split	Split	Split	Split	Split	Split	Protect	Permis	Permis	Protect	Permis	Permis
Signal Group	0	6	0	0	2	0	3	8	0	7	4	0
Auxiliary Signal Groups												
Lead / Lag	-	-	-	-	-	-	Lead	-	-	Lead	-	-

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.02	0.09	0.09	0.12	0.01	0.04	0.02	0.32	0.02	0.04	0.22	0.22
Intersection LOS	B											
Intersection V/C	0.676											

APPENDIX D

INTERSECTION ANALYSIS WORKSHEETS –
WITH IMPROVEMENTS

Option 1: NBR Overlap

Number	7											
Intersection	N Pacific Coast Highway at Imperial Highway											
Control Type	Signalized											
Analysis Method	ICU 1											
Name	Pacific Coast Highway			Pacific Coast Highway			Imperial Highway			Imperial Highway		
Approach	Northbound			Southbound			Eastbound			Westbound		
Lane Configuration												
Turning Movement	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Base Volume Input [veh/h]	173	1591	866	636	2354	16	154	396	211	144	283	428
Total Analysis Volume [veh/h]	239	2262	931	642	2643	16	155	400	245	175	287	432

Intersection Settings

Cycle Length [s]	100											
Lost time [s]	10.00											
Control Type	Protect	Permis	Overla	Protect	Permis	Permis	Protect	Permis	Permis	Protect	Permis	Protect
Signal Group	1	6	0	5	2	0	3	8	0	7	4	4
Auxiliary Signal Groups												
Lead / Lag	Lead	-	-	Lead	-	-	Lead	-	-	Lead	-	-
so, Base Saturation Flow per Lane [veh/h/ln]	1600		1600	1600		1600	1600	1600	1600	1600	1600	1600

Movement, Approach, & Intersection Results

V/C, Movement V/C Ratio	0.15	0.47	0.00	0.22	0.42	0.42	0.05	0.08	0.15	0.06	0.06	0.27
Critical Movement	No	Yes	No	Yes	No	No	Yes	No	No	No	No	Yes
Intersection LOS	F											
Intersection V/C	1.118											

APPENDIX I
Will Serve Letter

LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

Robert C. Ferrante
Chief Engineer and General Manager
1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
(562) 699-7411 • www.lacsd.org

January 6, 2021

Ref. DOC 6018453

Mr. Zach Vella, Owner
L & R ZAV 650 Sepulveda, LLC
8445 Santa Monica Boulevard
Suite 5
West Hollywood, CA 90069

Dear Mr. Vella:

Will Serve Letter for 650 – 700 PCH Project

The Los Angeles County Sanitation Districts (Districts) received your will serve letter request for the subject project on December 15, 2020. The proposed project is located within the jurisdictional boundary of District No. 5. We offer the following comments regarding sewerage service:

1. The wastewater flow originating from the proposed project will discharge to a local sewer line, which is not maintained by the Districts, for conveyance to the Districts' 120th Street Extension No. 2 Trunk Sewer, located in Douglas Street just north of Maple Avenue. The Districts' 15-inch diameter trunk sewer has a capacity of 1.7 million gallons per day (mgd) and conveyed a peak flow of 0.8 mgd when last measured in 2017.

2. The wastewater generated by the proposed project will be treated at the Joint Water Pollution Control Plant located in the City of Carson, which has a capacity of 400 mgd and currently processes an average flow of 261.1 mgd.

3. The expected increase in average wastewater flow from the project site, described in the application as the renovation of 163,095 square feet of existing structure into office space and 77,942 square feet of new commercial office space, is 37,880 gallons per day. For a copy of the Districts' average wastewater generation factors, go to www.lacsd.org, under Services, then Wastewater Program and Permits, select Will Serve Program, and scroll down to click on the Table 1, Loadings for Each Class of Land Use link.

4. The Districts are empowered by the California Health and Safety Code to charge a fee to connect facilities (directly or indirectly) to the Districts' Sewerage System or to increase the strength or quantity of wastewater discharged from connected facilities. This connection fee is a capital facilities fee that is used by the Districts to upgrade or expand the Sewerage System. Payment of a connection fee may be required before this project is permitted to discharge to the Districts' Sewerage System. For more information and a copy of the Connection Fee Information Sheet, go to www.lacsd.org, under Services, then Wastewater (Sewage) and select Rates & Fees. In determining the impact to the Sewerage System and applicable connection fees, the Districts will determine the user category (e.g. Condominium, Single Family home, etc.) that best represents the actual or anticipated use of the parcel(s) or facilities on the parcel(s) in the development. For more specific information regarding the connection fee application procedure and fees, the developer should contact the Districts' Wastewater Fee Public Counter at (562) 908-4288, extension 2727.

5. In order for the Districts to conform to the requirements of the Federal Clean Air Act (CAA), the capacities of the Districts' wastewater treatment facilities are based on the regional growth forecast adopted by the Southern California Association of Governments (SCAG). Specific policies included in the development of the SCAG regional growth forecast are incorporated into clean air plans, which are prepared by the South Coast and Antelope Valley Air Quality Management Districts in order to improve air quality in the South Coast and Mojave Desert Air Basins as mandated by the CCA. All expansions of Districts' facilities must be sized and service phased in a manner that will be consistent with the SCAG regional growth forecast for the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. The available capacity of the Districts' treatment facilities will, therefore, be limited to levels associated with the approved growth identified by SCAG. As such, this letter does not constitute a guarantee of wastewater service, but is to advise the developer that the Districts intend to provide this service up to the levels that are legally permitted and to inform the developer of the currently existing capacity and any proposed expansion of the Districts' facilities.

If you have any questions, please contact the undersigned at (562) 908-4288, extension 2717 or at araza@lacsd.org.

Very truly yours,

Adriana Raza

Customer Service Specialist
Facilities Planning Department

AR:ar

cc: A. Schmidt
A. Howard

APPENDIX J
Cumulative Projects List

CITY OF EL SEGUNDO CUMULATIVE PROJECTS LIST
(MAJOR PROPOSED & APPROVED BUT NOT COMPLETED PROJECTS)

September 2020

No.	EA #	Address	Existing Gross sq. ft.	Existing Use	Approved/ Proposed Gross sq. ft.	Approved/ Proposed Use	Approval & Expiration
1	784	445 N. Douglas St	223,000 (106,000 Office; 117,000 Warehouse)	Industrial	314,288 sf	Data Center	Entitlements Approved Phase 1: **158,624 sf complete.** Phase 2: 155,664 s.f. (including (104,364 TI & 51,300 s.f. addition) **Completion date unknown; no sooner than 2020**
2	905 & 1200	2100 E El Segundo Bl	2,089,090 s.f.	Light Industrial/Office (Raytheon)	2,089,090 s.f. existing 2,142,457 s.f. proposed Total 4,231,547 s.f	Office, Retail, Warehouse, Light Industrial	7,200 s.f of retail, 3,500 s.f. bank, 9,000 s.f. full service restaurants, 7,300 s.f. fast food restaurant, and 43,000 s.f of medical office All the above (**65,650 s.f**.) in plan check and will start grading in October, 2019. Construction completion **March 2021.** **Full build-out projected by 2025**
3	986	455 Continental Blvd and 1955 E Grand Av	55,000 s.f. existing	Office (Mattel)	Add 300,000 s.f. R&D & office 810-space parking structure New total: 355,000 s.f.	R&D and office and Parking structure	Entitlements pending **Build-out projected by 2024**
4	1097	123 Nevada St	1700 s.f.	Industrial	14,998 s.f.	New 4-unit commercial office condo.	In construction **Completed June 2019**
5	1098	2125 Campus Dr	0	vacant	A 500-space parking structure, 49,111 square-foot office building and 104,415 square foot office building Total of 153,525 square feet of office	Two new 5-story office buildings and a new 5-level garage structure	Entitlements approved Construction start in July 2018 **Completion by early 2020**
6	1197	1301 E El Segundo Bl	19,676 s.f.	Industrial	6,266 s.f. office, 19,289 s.f. warehouse (addition of 5,879 s.f. to existing building)	6,266 s.f. office and 19,289 s.f. warehouse	In construction **Completed February 2019**
7	1201	2120 E Rosecrans Av	0	vacant	240,000 s.f. office, 66,000 studio and production facilities, & 7,000 s.f. retail 313,000 s.f. total	Office, studios and production facilities, and retail	Entitlements approved **Completion date unknown, but no sooner than June 2022**

No.	EA #	Address	Existing Gross sq. ft.	Existing Use	Approved/ Proposed Gross sq. ft.	Approved/ Proposed Use	Approval & Expiration
8	1135	400 S PCH	2,500 sf	Pro Shop and Driving Range	71,000	3-story hitting-bay and accessory-use structure (restaurant, bar, meeting and event space)	City Council approved 10/15/2019 In plan check **Completion by September 2022**
9	1233	140 Oregon Street	78,000 SF	Office Addition	70,000 SF	2-story office addition with 2 mezzanine floors.	Entitlements pending for: Variance request for 55-foot building height and Community Benefit Plan for SHSP being analyzed by a Financial consultant. **Completion in 2022.**
10	1242	1521 E. Grand Ave.; 233, 247, 330 & 348 Kansas Street	North – 94,130 SF South – 30,191 SF	Office	North – 3 bldgs. 162,800 SF South – 91,951 SF bldg. and 130,327 SF prkg str.,	3-story office expansion, 3 new office bldgs., and one 6-story parking garage with 1,217 SF cafe	Entitlements pending. In Plan check (at-risk) **Completion in 2022**
11	1248	401-615 N PCH	0	Parking lot	263 residential units, 11,000 square feet of retail/restaurant,	Apartments Retail and restaurant	Entitlements pending **Completion by end of 2022.**
12	1254	212 Eucalyptus Dr.	5,350 s.f.	warehouse	14,119 s.f	Office	Permits issued **Completion by June 2021**
13	1255	2221 E Park Place	56,600 sf	Office	27,478 sf office addition	Office	Entitlement for 10% Parking Reduction pending. **Completion by early of 2021.**
13	1264	1225 E Mariposa Avenue	5 du	Dwelling units in R-2 lot	15 dwelling units	Residential condominiums	Entitlements Pending for: Zone Change to R-3, General Plan Amendment to Multi-family, and Subdivision for condos. **Completion by early 2022.**
14	1289	650-700 N PCH	207,056 sf	Office	122,156 sf 7-story office building with a 1,185-space parking structure; and remodel existing buildings	Office	Entitlements pending for subdivision to consolidate lots; zone text amendment; and Site Plan Review **Completion by mid-2023**
15	1280	2361-2381 E Rosecrans	180,193 sf	Office & Restaurants	2,600 sf addition	Office Lobby	Entitlement Pending
16	1281	1475 E Grand Ave	19,311 sf	Office	48,425 sf	Office	Entitlement Pending
17	1282	1330 E Franklin	19,950 sf	Office/ Industrial	47,250 sf	Office	Entitlements Pending

APPENDIX K
Draft Mitigation Monitoring and Reporting Program

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
AES-1	Aesthetics	Prior to issuance of a building permit, the Project applicant must submit a lighting plan to the City for review and approval by the Director of Planning and Building Safety. The plan must include the location, height, number of lights, foot-candles by area, and estimates of maximum illumination on-site with no spill at the property lines. The plan must also demonstrate that all lighting fixtures on the buildings and throughout the entire project site are designed and installed so as to contain light on the subject property and will not create spillover effects or be directed toward adjacent properties or public rights-of-way.	Provide lighting plan to the City for review and approval.	Prior to issuance of building permits.	Project Developer	City of El Segundo, Planning and Building Safety Department
AES-2	Aesthetics	Prior to issuance of a building permit, the Project applicant must submit the Final Design Plans to the City for review and approval by the Director of Planning and Building Safety. The plans must identify the material use that meets the Visible Light Reflection (VLR) performance of the following: i) The new west-facing façade of Building A and the south-facing façade of Building C shall employ a high-performance glazing system comprising a commercial glazing equal to Vitro Solarban 70(2) + Clear with exterior visible light reflection (VLR) of 13% or less; ii) Exterior metal cladding on the Building A curtainwall facing Pacific Coast Highway to be finished with aluminum composite panels	Provide Final Design Plans to the City for review and approval.	Prior to issuance of building permits.	Project developer	City of El Segundo, Planning and Building Safety Department

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		(ACP), with matte white or matte, clear anodized aluminum finish; and, iii) Concrete on the north and south elevations of Building A will be painted with low sheen paint and clad limitedly in matte finish ACP with matte white or matte, clear anodized aluminum finish.				
CUL-1	Cultural Resources	Archaeological and Native American monitoring shall be conducted for any grading-related ground disturbing activity have the potential to disturb native soils (i.e., non-engineered fill) within the Project site. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983). If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the qualified archaeologist. Depending upon the nature of the find, if the discovery proves to be potentially significant under CEQA, as determined by the qualified archaeologist, additional work such as data recovery excavation, avoidance of the area of the find, documentation, testing, data recovery, reburial, archival review and/or transfer to the appropriate museum or educational institution, or other appropriate actions may be warranted at the discretion of the qualified archaeologist. The archaeologist shall complete a report of excavations and findings and submit the report to	Applicant to hire a qualified archaeologist and submit evidence of this contracted archaeologist to the City.	Applicant to submit evidence of a contracted, qualified archaeologist to the City prior to issuance of building permits.	Project developer	City of El Segundo, Planning and Building Safety Department

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		the Director of Planning and Building Safety. After the find is appropriately mitigated, work in the area may resume.				
Paleo-1	Geology and Soils	Prior to the issuance of any grading permits, the applicant shall retain a qualified paleontologist who meets the qualifications established by the Society of Vertebrate Paleontology (SVP) to develop a Worker Environmental Awareness Program (WEAP), which shall be in compliance with SVP guidelines. The paleontologist shall present the training to all construction staff to provide them with a basic understanding of the types of fossils that may be encountered and the laws protecting them, and the procedures to follow in the event the finds are encountered. In the event that paleontological resources are encountered during earth disturbance activities, all construction activities in the area of the find shall be temporarily halted and the paleontologist shall be notified to evaluate the find and determine the appropriate treatment in accordance with SVP guidelines for identification, evaluation, disclosure, avoidance, or recovery, and curation, as appropriate.	Applicant to hire a qualified paleontologist and submit evidence of this contracted paleontologist to the City. This paleontologist to provide WEAP training to all construction staff.	Applicant to submit evidence of a contracted qualified paleontologist to the City prior to issuance of building permits. WEAP training shall be administered prior to the start of earthwork activities and shall be administered to any new construction workers involved in excavation efforts associated with the Project.	Project developer	City of El Segundo, Planning and Building Safety Department
HAZ-1	Hazards and Hazardous Materials	The applicant shall conduct additional investigation and potential remediation actions associated with the previous USTs and clarifier uses. As identified in the Phase I ESA (**Appendix E**), the following investigations will be conducted to identify and confirm the location of the eight 1,000-gallon USTs and clarifier at 700 Pacific Coast Highway and the potential UST	Conduct additional investigation and potential remediation associated with previous USTs and clarifier uses.	Applicant to provide evidence of the presence/absence of a UST at 650 N. Pacific Coast Highway, and submit the results	Project developer	City of El Segundo, Planning and Building Safety Department and El Segundo Fire Department

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		at 650 Pacific Coast Highway (associated with 690 North Sepulveda Boulevard). • Eight 1,000-gallon USTs at 700 Pacific Coast Highway: A geophysical survey and Phase II subsurface investigation shall be conducted to identify the location of the former USTs and to sample at the depth of the UST to determine the concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, and metals). In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local Certified Unified Program Agency [CUPA]), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor barrier adequate to protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities. Based on information provided by the CUPA, if passive or active systems are utilized to prevent vapor migration, a Land Use Covenant would be required, and recorded, and an Operation and Maintenance (O&M) Plan would be developed for the systems. • Clarifier at 700 Pacific Coast Highway: A geophysical survey and Phase II subsurface investigation shall be conducted to identify the location of the former clarifier and to sample adjacent soils to determine the extent, if any, of		of the geophysical surveys and Phase II Investigations and incorporate applicable treatment procedures in the final design plans to the City prior to issuance of grading and/or building permits.		

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		prior release of tetrachloroethylene. In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local CUPA), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor barrier adequate to protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities. • Potential UST at 650 North Pacific Coast Highway: The applicant shall conduct review of pending agency records for the UST listed at 690 North Sepulveda Boulevard to determine whether a UST is located on the Project site. In the event the documentation indicates that a UST has the potential to be present, the applicant shall conduct a geophysical survey and Phase II subsurface investigation to identify the location of the former UST and to sample at the depth of the UST to determine whether any concentrations of constituents of concern (petroleum hydrocarbons, volatile organic compounds, and metals) are present in surround soils. In the event that the analyte concentrations exceed appropriate use standards, as designated by the El Segundo Fire Department (local CUPA), the Project shall implement applicable protective measures in accordance with an approved remedial action plan, including: 1) installation of a soil vapor				

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		barrier adequate to protect against vapor transmission; 2) implement a soil-vapor extraction system; and/or 3) conduct remedial excavation activities.				
HAZ-2	Hazards and Hazardous Materials	Prior to commencement of renovation activities on Buildings A and B, a hazardous building materials survey shall be conducted on both buildings to identify asbestos, lead-based paint, and other potentially hazardous building materials (such as mercury thermometers, lighting and electrical appurtenances). Following results of the hazardous materials survey, renovation plans and contract specifications shall incorporate abatement procedures for the removal of materials containing asbestos and lead. All abatement work shall be done in accordance with federal, state, and local regulations, including those of the U.S. EPA, Occupational Safety and Health Administration, California Occupational Safety and Health Administration, and the SCAQMD.	Conduct a hazardous building materials survey on Buildings A and B and incorporate required abatement work.	-	Project developer	City of El Segundo, Planning and Building Safety Department and El Segundo Fire Department
TRANS-1	Transportation	The applicant shall prepare and implement a Project-specific TDM program that will reduce the Project's daily trips by 254. The TDM program shall consist of a list of approved strategies, guided by the California Air Pollution Control Officers Association (CAPCOA) recommendations to promote carpool, bicycling, walking, and transit in place of individual vehicle trips to and from the Project. These elements may change or be adjusted to adapt to changing commute	Develop and implement a Project-specific TDM program.	Applicant to provide a TDM Program to the City for review, with approval completed prior to Building Permit Final or issuance of the first certificate of occupancy. The success of the	Project developer	City of El Segundo, Planning and Building Safety Department

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		trends and to maximize the efficiency and performance of the program. The following is a preliminary list of applicable strategies that provide feasible means to adequately reduce the Project VMT: • Safe and Well-Lit Access to Transit: Enhance the route for people walking or bicycling to nearby transit stops, such as those located on Pacific Coast Highway and Mariposa Avenue. (Maximum reduction of 23 trips) • Transit Subsidies: Provide subsidization of transit fare for employees of the project site. This strategy helps reduce single-occupancy vehicle trips by utilizing transit service already present in the project area. (Maximum reduction of 116 trips) • Travel Behavior Change Program: Provide a web site that allows employees to research other modes of transportation for commuting. (Maximum reduction of 46 trips) • Promotions & Marketing: Provide marketing and promotional tools to educate and inform travelers about site-specific transportation options and the effects of their travel choices with passive educational and promotional materials. (Maximum reduction of 46 trips)		program will be monitored and the tenant commute patterns will be reviewed, with updates of adjustments and changes to be provided in an annual monitoring report, or the TDM shall include a mechanism to report to the City on the progress.		

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		• Commute Assistance Center: Provide a computer kiosk that allows employees to research other modes of transportation for commuting. (Maximum reduction of 46 trips) • Preferential Carpool / Vanpool Parking Spaces: Provide reserved carpool/vanpool spaces closer to the building entrance. (Maximum reduction of 116 trips) • Passenger Loading Zones: Provide passenger loading zones for easy access to carpools or vanpools. (Maximum reduction of 58 trips) • Bike Share: Implement bike share to allow people to have on-demand access to a bicycle, as-needed. (Maximum reduction of 3 trips) • Bike Parking and Facilities: Include secure bike parking and showers to provide additional end-of-trip bicycle facilities to support safe and comfortable bicycle travel. Provide on-site bicycle repair tools and space to use them supports on-going use of bicycles for transportation. (Maximum reduction of 35 trips) • Traffic Calming Improvements: Implement traffic calming measures throughout and around the perimeter of the Project site that encourage people to walk, bike, or take				

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		transit within the development and to the development from other locations. (Maximum reduction of 12 trips) • Pedestrian Network Improvements: Implement pedestrian network improvements throughout and around the Project site that encourages people to walk (Maximum reduction of 23 trips) • Parking Cash Out: Provide employees a choice of forgoing current parking for a cash payment to be determined by the employer. (Maximum reduction of 58 trips) • Alternative Works Schedule: Implement Flextime, Compressed Work Week (CWW), and staggered shifts for employees. (Maximum reduction of 173 trips)				
TCR-1	Tribal Cultural Resources	Prior to the commencement of any ~~grading-related~~ ground disturbing activity at the Project site~~having the potential to unearth native soils (i.e., non-engineered fill)~~, the Project applicant shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians-Kizh Nation, the tribe that consulted on this project pursuant to Assembly Bill AB 52 (the "Tribe" or the "Consulting Tribe"). A copy of the executed contracts shall be submitted to the City of El Segundo Development Services Department prior to the issuance of any permit necessary to	Applicant to retain a Native American Monitor that is culturally affiliated with the area to be present on-site during ground-disturbing activities in native soils.	Applicant to submit evidence of a contracted Native American Monitor to the City prior to issuance of building permits.	Project developer	City of El Segundo, Planning and Building Safety Department

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		commence a ground-disturbing activity. The Tribal monitor will only be present on-site during the construction phases that involve ground-disturbing activities. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching, within the project area. The Tribal Monitor will complete daily monitoring logs that will provide descriptions of the day's activities, including construction activities, locations, soil, and any cultural materials identified. The on-site monitoring shall end when all ground-disturbing activities on the Project site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project site have little to no potential for impacting Tribal Cultural Resources.~~that is culturally affiliated with the area to be present on-site during ground-disturbing activities in native soils. Monitoring shall be performed under the direction of a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983).~~ Upon discovery of any Tribal Cultural Resources, construction activities shall cease in the immediate vicinity of the find (not less than the surrounding 100 feet) until the find can be				

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		assessed. All Tribal Cultural Resources unearthed by Project activities shall be evaluated by the Consulting Tribe approved Tribal monitor. ~~If tribal cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and the find must be evaluated by the Qualified Archaeologist or the Tribal Monitor.~~ If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate, for educational, cultural and/or historic purposes. ~~Upon discovery of~~ If human remains and/or grave goods are discovered or recognized at the Project site, all ground disturbance shall immediately cease, and the county coroner shall be notified per Public Resources Code Section 5097.98, and Health & Safety Code Section 7050.5. ~~the tribal and/or archaeological monitor/consultant/consultant will immediately divert work at minimum of 100 feet and place an exclusion zone around the discovery location.~~ Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2). Work may continue on other parts of the Project site while evaluation and, if necessary, mitigation takes place (CEQA Guidelines Section 15064.5[f]). ~~The monitor/consultant(s) will then notify the Tribe, the qualified lead archaeologist, and the construction manager who will call the coroner. Work will continue to be diverted while the~~				

No.	Environmental Factor	Mitigation Measure	Actions Required	When Monitoring Occurs	Responsible Agency or Party	Monitoring Agency or Party
		~~coroner determines whether the remains are human and subsequently Native American. The discovery is to be kept confidential and secure to prevent any further disturbance. If the finds are determined to be Native American, the coroner will notify the NAHC as mandated by state law who will then appoint a Most Likely Descendent (MLD). If resources are discovered that are Native American in origin, the Consulting Tribe will retain it/them in the form and/or manner the Tribe deems appropriate. The on-site monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal Representatives and Tribal Monitor have indicated that all upcoming ground-disturbing activities at the Project Site have little to no potential for impacting Tribal Cultural Resources.~~				

Mitigation Compliance

As a means of ensuring compliance of above mitigation measures, the project proponent and subsequent owner(s) are responsible for funding of all mitigation measures and monitoring efforts, for submitting regular compliance reports to the Director of Planning and Building Safety for review, and for replenishing the mitigation monitoring account if necessary, until such time as all mitigation measures have been implemented and completed.